



**Uttar Pradesh New & Renewable Energy Development Agency, (UPNEDA)**  
(Deptt. Of Additional Sources of Energy, Govt. of U.P.)

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**CORRIGENDUM-2**

**Tender No:- 01/UPNEDA/ On-grid Hybrid Solar Rooftop (51kW-75kW)/2024-25**

Uttar Pradesh New & Renewable Energy Development Agency (UPNEDA) invites Online Bids from Prospective Bidders through e-procurement portal for **Supply, erection, testing and commissioning including comprehensive warranty maintenance for 5 years of 51 kW to 75 kW On-grid Hybrid Solar Rooftop Power Plant with Battery backup for captive use (Capex Mode) in various Government buildings at various places in the State of Uttar Pradesh as per specification given in Scope of Work of Bid Document.**

The Details of extended date and time are as following: -

S.No	Particulars	Pre-Scheduled Date & Time	Extended Date & Time
1	Bid submission end date & Time	On: 08.08.2024 upto 6:00 pm	On: 16.08.2024 upto 6:00 pm
2	Online technical Bid Opening date & time	On: 08.08.2024 at 06:30 pm	On: 16.08.2024 at 06:30 pm
3	Financial Bid Opening date & time.	Shall be intimated later	

The details can be seen or downloaded from e-procurement portal (<https://etender.up.nic.in>) & UPNEDA website [www.upneda.org.in](http://www.upneda.org.in).

Director, UPNEDA reserves the right to reject any or all tenders without assigning any reason thereof.

Director , UPNEDA

## Corrigendum-2

<b>Bid No:</b> 01/UPNEDA/ On-grid Hybrid Solar Rooftop (51kW-75kW)/2024-25			
<b>Sno</b>	<b>Point / Clause No.</b>	<b>Existing Clause</b>	<b>Corrigendum</b>
1	<b>3 Bid Details, S. No 4, Page 8 Estimated Cost including GST (Rs)</b>	<b>Rs 17.38 Crores</b>	<b>Rs 22 Crores</b>
2	<b>5. Pre-Bid Eligibility Criteria, Bidder Turn over Criteria: page no 16, Form C: Checklist, Sr. No 5, Page No 62 and Form F: Sr. No 5, Page No 67</b>	<p>Bidder Turn over Criteria: Bidders should have Overall Average Annual Turnover (ATO) in the best performing three year of last five financial year i.e, 2019-2020, 2020-2021, 2021- 2022, 2022-2023 and 2023-2024 must be at least 30% of the tender cost i.e. <b>Rs 5.21 crores</b>. Out of above mentioned five years, best performing three years will be considered for evaluation of Average Annual Turnover. (For FY 2023-24, provisional Balance sheet applicable if not audited.) This must be the individual Company's turnover or All the partners of the JV/ Consortium must meet collectively.</p> <p>(A summarized sheet of average turnover certified by registered CA should be submitted along with audited Balance Sheet).</p>	<p>Bidder Turn over Criteria: Bidders should have Overall Average Annual Turnover (ATO) in the best performing three year of last five financial year i.e, 2019-2020, 2020-2021, 2021- 2022, 2022-2023 and 2023-2024 must be at least 30% of the tender cost i.e. <b>Rs 6.6 crores</b>. Out of above mentioned five years, best performing three years will be considered for evaluation of Average Annual Turnover. (For FY 2023-24, provisional Balance sheet applicable if not audited.) This must be the individual Company's turnover or All the partners of the JV/ Consortium must meet collectively.</p> <p>(A summarized sheet of average turnover certified by registered CA should be submitted along with audited Balance Sheet).</p>
3	<b>3 Bid Details, S.No 15, Page 8</b>	<b>Consortium/JV Allowed: Yes</b>	<p><b>Consortium/JV Allowed: Yes</b>            Maximum no of JV Partners should be 3 Nos.            JV partner should not withdraw within the tenure of agreement and O&amp;M period. If JV partner withdraw then all members of JV will be blacklisted and suspended/debarred from participating in upcoming tenders issued by any department of Uttar Pradesh Government for a period of 5 years from the date of default as notified by UPNEDA.</p>
4.	<b>3 Bid Details, S. No 4, Page 8 Earnest money deposit (EMD):</b>	The bidder should submit EMD in the form of BG or DD of 2 % of Estimated Cost.	<p>The bidder should submit EMD in the form of BG or DD of 2 % of Estimated Cost.</p> <p>In case of JV, for exemption in EMD, Lead partner of JV should have MSME Certificate having unit in Uttar Pradesh.</p>
5	<b>10 Scope of Work and Technical</b>	Servo Controlled Automatic Voltage Stabilizer Providing, erecting Servo Controlled	Clause Deleted

	<b>Specifications, Page no 38</b>	Automatic.....Servo Controlled Automatic Voltage Stabilizer and excluding net-metering & Servo Controlled Automatic Voltage Stabilizer.	
6	<b>10 Scope of Work and Technical Specifications, BATTERY- Lithium ferro Phosphate: Page no 39</b>	Cycle Life (Full charge to full discharge @ 25 deg C before capacity of battery falls below 75%) - more than 5000 Cycles	Cycle Life (Full charge to full discharge @ 25 deg C before capacity of battery falls below 75%) - $\geq$ 3000 Cycles
7	<b>10 Scope of Work and Technical Specifications, BATTERY- Lithium ferro Phosphate: Page no 39</b>	Battery Warranty The LFP batteries shall be warranted for 15 years.	Battery Warranty The LFP batteries shall be warranted for at least 7 years. The cost for a one-time replacement of the battery after 7 years shall be included in the quoted rate. It will be mandatory to replace the entire battery system after 7 years till the completion of the O&M period. The specification of replacement battery shall be the same or higher. The successful bidder shall submit an invoice for the installed battery system after the commissioning of the project. An additional performance bank guarantee (PBG) of the same invoice amount shall be furnished before the release of 85% of the project cost. The validity of additional PBG shall be 10 years. This additional PBG will be released after the replacement of the battery system.
8	<b>10 Scope of Work and Technical Specifications, WARRANTY AND MAINTENANCE, Page no 57</b>	2. The LFP batteries will be warranted for Full replacement or free repair for first 5 years and on Pro-rata basis for the next 10 years.	Clause Deleted
9	<b>Scope of Work</b>	comprehensive warranty maintenance for 5 years	comprehensive warranty maintenance for 10 years.
10	<b>8.20 Timeline, Payment Terms, Page no 24, point 2 clause (b)</b>	b. The balance 15% payment shall be billed as AMC charges on annual basis kept as security deposit and to be released @ 3% at the end of each year for 5 years, on satisfactory performance and timely submission of quarterly performance report. The Bidder must upload quarterly inspection report on RESIMS within	b. The balance 15% payment shall be billed as AMC charges on annual basis kept as security deposit and to be released @ 1.5 % at the end of each year for 10 years, on satisfactory performance and timely submission of quarterly performance report. The Bidder must upload quarterly inspection report on RESIMS within 10 days of

		10 days of expiry of each quarter otherwise AMC of respective quarter elapsed.	expiry of each quarter otherwise AMC of respective quarter elapsed.
11.	<b>10 Scope of Work and Technical Specifications, Page no 42</b>	Ingress Protection IP 20/IP 21	Clause Deleted
12.	<b>10 Scope of Work and Technical Specifications, Hybrid Inverter Specifications, Page no 40</b>	Hybrid Inverter Specifications: Added New point (g)	The inverter kW rating shall be equal to the plant capacity in kW.
13.	<b>10 Scope of Work and Technical Specifications, CABLES, Page 48</b>	c) For the AC cabling, PVC or XLPE insulated and PVC sheathed single or multi-core flexible copper cables shall be used. Outdoor AC cables shall have a UV-stabilised outer sheath.	c. For the AC cabling, PVC or XLPE insulated and PVC sheathed single or multi-core flexible copper/ aluminium cables shall be used. Outdoor AC cables shall have a UV-stabilised outer sheath.
14.	<b>10 Scope of Work and Technical Specifications, BATTERY- Lithium ferro Phosphate, Page no 39</b>	<ul style="list-style-type: none"> <li>• Depth of Discharge: minimum 90%</li> <li>• Maximum Discharging rate: up to 1C rate of battery Capacity</li> <li>• Maximum Charging Rate: upto 0.5 C rate of battery capacity</li> </ul>	<ul style="list-style-type: none"> <li>• Depth of Discharge: minimum 90%</li> <li>• Maximum Discharging rate: up to C/3 rate of battery Capacity</li> <li>• Maximum Charging Rate: upto C/2 rate of battery capacity</li> </ul>
15.	<b>10 Scope of Work and Technical Specifications, BATTERY- Lithium ferro Phosphate, Page no 39</b>	The battery capacity in Watt Hour shall be calculated as 3840 Whr per kW	The battery capacity in Watt Hour shall be calculated as 3840 Whr per kW. This capacity has been derived considering all derating factors, DoD, temp. correction factor, aging factor etc.
16.	<b>E- Portal EMD AMount</b>	E-Tender Portal EMD amount – Rs 34,76,000	E-Tender Portal EMD amount- Rs 44,00,000

<b>Name of Work:</b>	<b>Supply, erection, testing and commissioning including comprehensive warranty maintenance for 5 years of On-grid Hybrid Solar Rooftop Power Plant with Battery backup for captive use (Capex Mode) in various Government buildings at various places in the State of Uttar Pradesh as per specification given in Scope of Work of Bid Document.</b>				
<b>Bid No:</b>	<b>i) 01/UPNEDA/ On-grid Hybrid Solar Rooftop (1kW-10kW)/2024-25</b> <b>ii) 01/UPNEDA/ On-grid Hybrid Solar Rooftop (11kW-50kW)/2024-25</b> <b>iii) 01/UPNEDA/ On-grid Hybrid Solar Rooftop (51kW-75kW)/2024-25</b>				
<b>Pre Bid Meeting dated : 11.07.2024</b>					
<b>Response to Queries</b>					
<b>S.No</b>	<b>Bidder Name</b>	<b>Clause No &amp; Page No</b>	<b>Particular as per tender document</b>	<b>Query / suggestion</b>	<b>UPNEDA Response</b>
1	ADM SOLAR POWER AND INFRASTRUCTURE PVT LTD	5 Pre-Bid Eligibility Criteria, Page No 15	Past Performance: The Bidder should have continuously supplied and installed Solar Rooftop Power Plant for 30% of bid quantity, i.e 600 kW, in last Five financial years i.e. 2019-20, 2020-21, 2021-2022, 2022-2023 and 2023-2024 to any Central/State Govt. Organization (including local body or autonomous institutions working under it.)/Company. (If Bidder provides work experience regarding supply, installation and commissioning from company, bidder must provide the certificate of incorporation of respective company.)	We would request you to kindly amend the similar work requirement as: The bidder to confirm that they are in business of manufacturing Solar Panels. Documentary evidences in this regard. PVT past performance also consider.	Please refer Corrigendum
2		5 Pre-Bid Eligibility Criteria, Page No 16	Bidder Turn over Criteria: Bidders should have Overall Average Annual Turnover (ATO) in the best performing three year of last five financial year i.e. 2019-2020, 2020-2021, 2021- 2022, 2022-2023 and 2023-2024 must be at least 30% of the tender cost i.e. Rs 10.67 crores. Out of above mentioned five years, best performing three years will be considered for evaluation of Average Annual Turnover. (For FY 2023-24, provisional Balance sheet applicable if not audited.) This must be the individual Company's turnover or All the partners of the JV/ Consortium must meet collectively. (A summarized sheet of average turnover certified by registered CA should be submitted along with audited Balance Sheet).	We would request you to kindly amend the only solar business cumulative turnover.	Please refer Corrigendum
3		8.20 Timeline, Payment Terms, Page No 25	a. 85% of the ordered value after the supply, installation and commissioning of the system along with the Joint Commissioning & handing over certificate, indicating bill of material and successful commissioning duly countersigned by the designated officer and end user. b. The balance 15% payment shall be billed as AMC charges on annual basis kept as security deposit and to be released @ 3% at the end of each year for 5 years, on satisfactory performance and timely submission of quarterly performance report. The Bidder must upload quarterly inspection report on RESIMS within 10 days of expiry of each quarter otherwise AMC of respective quarter elapsed.	We would request you to kindly amend the payment terms, 1. 80% payment release after inspected by UPNEDA teams at side. 2. 15% after installation and commissioning. 3. 5% payment release after submission of PBG.	Please refer Corrigendum

S.No	Bidder Name	Clause No & Page No	Particular as per tender document	Query / suggestion	UPNEDA Response	
4	Aesthetik Renewables Pvt Ltd			Maximum no of JV Partners allowed?	Maximum no of JV Partners should be 3 Nos. JV partner should not withdraw within the tenure of agreement and O&M period. If JV partner withdraw then all members of JV will be blacklisted and suspended/debarred from participating in upcoming tenders issued by any department of Uttar Pradesh Government for a period of 5 years from the date of default as notified by UPNEDA.	
5				Local DISCOM Standards are to be known	As stipulated in bid document	
6				Net Metering policy to be clarified. Do we need to provide the Net metering from our end? Who will provide the net metering boxes? Will it be provided by UP Discom?	As stipulated in bid document, Net metering is in bidder's Scope.	
7				Details of all buildings / sites needs to be known. Details of the site location is to be known, all office towers are in one location or located in different locations?	Details of Site /Location shall be provided during Work Order, it will be located anywhere in the state of Uttar Pradesh.	
8				Utility and loop for stabilizer to be clarified. Does it required to be setup at all sites.	Please refer Corrigendum	
9				Test Reports from NABL/ MNRE Accredited lab _ to be submitted when? Does it required to be submitted during the filling of the tender.	Test Reports should be submitted along the Bid.	
10				Past performance of 300kW_ is required for the rooftop. Does it require only ongrid roof top project or require hybrid project experience.	Experience of Solar Rooftop is required. It can be off-grid, on-grid, hybrid.	
11				EMD is exempted for the MSME of UP, however, in case of JV with other company does EMD needs to be paid.	For exemption in EMD, Lead partner of JV should having MSME Certificate having unit in Uttar Pradesh.	
12				As government is promoting startups, then clause for startup should be there in the tender.	As stipulated in bid document	
13				In performance criteria, you have asked for continuous supply for last 5 financial year, what if company was incorporated within 1 – 2 years? Is the company eligible?	Yes, Provided the bidder meet the required experience.	
14		ENKAY ELECTRICAL S PVT. LTD			<b>Payment Terms:-</b> They are holding 15% in final bill against Security to be released 3% after every year till 5 year. They are asking PBG @5% also for what?	Please refer Corrigendum
15					<b>Technical:-</b> They are saying hybrid system then why they are asking approvals from UPPCL/Discom as net metering is not available in UP, only net billing is there that too is given on ON-Grid system not on hybrid system.	As per UPERC RSPV Regulation 2019, Second Amendment Net metering is allowed for LMV 4A, 4B connections. i.e. public / private institutions.
16					DCR modules is required but they have not specified the wattage of module.	As per Technical specification, PV module shall not be less than 350Wp.

S.No	Bidder Name	Clause No & Page No	Particular as per tender document	Query / suggestion	UPNEDA Response
17				Net metering had been asked with battery backup. They are not offering NetMetering to commercial buildings also netmetering is not eligible in battery backup system.	In hybrid plant netmetering can be done, battery backup will be utilized in off-grid mode. As per UPERC RSPV Regulation 2019, Second Amendment Net metering is allowed for LMV 4A, 4B connections. i.e. public / private institutions
18	GET SOLAR EPC INDIA			We kindly request UPNEDA to provide relaxation in the prior turnover and experience requirements for startups in its tenders. This relaxation will enable emerging companies like ours to participate and contribute to the ambitious renewable energy targets set by the state of Uttar Pradesh.	As stipulated in bid document
19	HBL Power Systems Ltd.	Page No 39	Cycle Life (Full charge to full discharge @ 25 deg C before capacity of battery falls below 75%) and cycle more than 5000Cycles	It should be 2500 Cycles Or 5 year warranty whichever is earlier	Please refer Corrigendum
20		Page No 39	The LFP batteries shall be warranted for 15 years.	It should be 5 years from the date of I&C	Please refer Corrigendum
21		Page No 57	The LFP batteries will be warranted for Full replacement or freerepair for first 5 years and on Pro-rata basis for the next 10years.	10 years pro-rata warranty service is anambiguous term and doesn't have any relevance practically. Hence, were commend flat warranty of 5 years.	Please refer Corrigendum
22	Inverted Energy Pvt. Limited		Cycle Life (Full charge to full discharge @ 25 deg C before capacity of battery falls below 75 % )  More than 5000 Cycle	2500 Life Cycle As per cell manufacturer 5000 Lifecycle would be @ 20-25 deg C But due to high temperature in Indian atmosphere 5000 Life cycle are not possible.	Please refer Corrigendum
23			Battery Warranty The LFP batteries shall be warranted for 15 years.	5 Years Battery Warranty is dependent upon following factor:-  1. Ambient temperature is higher in India affecting the battery chemical reaction causing battery life to reduce. 2- During operation of Lithium Ion cells there is SEI layer formation restricting motion of Li ions reducing the health of the pack. 3- Electrolytes will be lost during long term operations causing capacity to fade.	Please refer Corrigendum
24	Jakson	Page No. 12	MSMEs having unit in state of Uttar Pradesh are exempted from submission of Bid Security/EMD, however required to submit a "Bid Security Declaration" Letter on non-Judicial stamp of appropriate value as per prescribed format (Form-J). Form E: Earnest Money Deposit to be submitted as DD or BG from any nationalized or scheduled bank in the specified format. On furnishing the performance security and execution of contract agreement by successful bidders, UPNEDA will notify the unsuccessful bidders and their earnest money deposit will be refunded thereafter.	As Joint venture (JV) is allowed in this tender. Please confirm if One JV Partner is MSME having unit in state of UP and Other JV Partner is non-MSME then in this case also Bid Security/ EMD is exempted.  Please clarify and confirm.	For exemption in EMD, Lead partner of JV should having MSME Certificate having unit in Uttar Pradesh.

S.No	Bidder Name	Clause No & Page No	Particular as per tender document	Query / suggestion	UPNEDA Response
25		Page No. 15	5 Pre-Bid Eligibility Criteria: 1. Bidders can be sole/ single bidder OR Joint venture (JV) or Consortium of two or more firms as partners, All the partners of the JV/ Consortium must meet collectively 100% of Technical & Financial Eligibility Conditions.	Please confirm whether there is any minimum % share criteria of Lead Member & Other JV Member if the bidder is JV.  As, All the partners of the JV/ Consortium must meet collectively 100% of Technical & Financial Eligibility Conditions.	Lead Member having minimum 51% share holding among the JV Partners.
26			General	1) Please clarify the total no. of system required capacity wise 2) List/ No. of buildings district wise/ city 3) Need more clarity on Type of structure whether it is Ballast type, Tin Shed, RCC Elevated Structure, Super elevated structure 4) All buildings are of RCC roof or Tin Shed type. Please confirm 5) No. of Floors from Ground, where we have to install Solar PV System required for better understanding of cable length calculation	Details of Site /Location shall be provided during Work Order.
27			General	Room and space shall be provided by UPNEDA/Employer for keeping our Hybrid Inverter and LFP Batteries	Systems are to be installed in govt. buildings and obviously space for questioned equipments shall be housed in the same govt. building.
28			<b>5 Pre-Bid Eligibility Criteria:</b> <b>3. Past Performance:</b> The Bidder should have continuously supplied and installed Solar Rooftop Power Plant for 30% of bid quantity, i.e 1200 kW, in last Five financial years i.e. 2019-20, 2020-21, 2021-2022, 2022-2023 and 2023-2024 to any Central/State Govt. Organization (including local body or autonomous institutions working under it.)/Company. (If Bidder provides work experience regarding supply, installation and commissioning from company, bidder must provide the certificate of incorporation of respective company.)	Please confirm whether we can also present the past performance of private companies.	Bidder submitting work experience regarding supply, installation and commissioning from private companies then bidder must provide the certificate of incorporation of concerned companies.)
29			<b>5 Pre-Bid Eligibility Criteria:</b> Bidder should have valid Test report of complete system/various components ( <b>PV module, Hybrid inverter, Battery, complete system etc</b> ) issued from MNRE authorized testing center or NABL accredited test lab.	Test reports/ certificates of only major item Hybrid Inverter, Battery & Panel only shall be BIS/MNRE authorised testing center/NABL accredited lab	As stipulated in bid document
30			<b>8.13 Demurrage WHARF AGE ETC:</b> 1. All demurrage, wharf age and other expenses incurred due to delayed clearance of the material or any other reason shall be to the account of the contractor/ bidder	Please elaborate in detail	As stipulated in bid document



S.No	Bidder Name	Clause No & Page No	Particular as per tender document	Query / suggestion	UPNEDA Response
31			<p><b>3 Bid Details:</b>  <b>5. Period of Work:</b> Within 4 months from the date of issuance of Work Order or as specified by UPNEDA</p>	Please clarify "Bidder has to complete all sites/capacity within 4 months of period or to be mutually agreed as per the allotment of sites.	Within 4 months from the date of issuance of Work Order
32			<p><b>9.2 Performance Security: a.</b> The successful Bidders, who execute the agreement with UPNEDA for the work, shall have to furnish a security amount equivalent to 5% of total value of the work order in the form of Bank Guarantee valid for a period of 18 months from the date of work order.</p>	If period of work is 4 months then why PBG validity is for a period of 18 months. Please clarify.	As agreement period is 12 months in this tender, with an extension period of 6 months on approval. So we consider PBG validity for a period of 18 months.
33			Authorization Letter in the name of Bidder issued from OEM. Manufacturer Authorization Certificate of Main components (i.e. PV Module, Battery & Hybrid Inverter) of Hybrid Solar Power Plant.	It is mandatory to submit along with bid or to be submitted by Successful Bidder after contract agreement. Please confirm.	It is mandatory to submit along with bid.
34			<p><b>Solar PV Mounting Structure:</b>  <b>Mounting structure:</b> Module mounting structures can be made from three types of materials. They are Hot Dip Galvanized Iron, Aluminium and Hot Dip Galvanized Mild Steel (MS). However, MS will be preferred for raised structure.  --PV array structure design shall be appropriate with a factor of safety of minimum 1.5.</p>	<p>1) Need more clarity on Type of structure whether it is Ballast type, Tin Shed, RCC Elevated Structure, Super elevated structure</p> <p>2) All buildings are of RCC roof or Tin Shed type. Please confirm</p>	Module mounting structure shall be based on site specific requirement.

S.No	Bidder Name	Clause No & Page No	Particular as per tender document	Query / suggestion	UPNEDA Response																								
35			<p>BATTERY- Lithium ferro Phosphate:</p> <table border="1"> <thead> <tr> <th>Sr No.</th> <th>Description</th> <th>Specification</th> </tr> </thead> <tbody> <tr> <td></td> <td>Battery Configuration minimum cell capacity</td> <td>3.2V- 40 AH: LiFePO4</td> </tr> <tr> <td>1</td> <td>Working Temperature Range (both for charging &amp; discharging)</td> <td>0-60 Deg C</td> </tr> <tr> <td>2</td> <td>Storage Temperature Range</td> <td>@ 0-40 Deg- 6 months</td> </tr> <tr> <td>3</td> <td>Cycle Life (Full charge to full discharge @ 25 deg C, before capacity of battery falls below 75%)</td> <td>more than 5000 Cycles</td> </tr> <tr> <td>4</td> <td>Battery Warranty</td> <td>The LFP batteries shall be warranted for 15 years</td> </tr> <tr> <td>5</td> <td>Type of Cell</td> <td>Prismatic</td> </tr> <tr> <td>6</td> <td></td> <td></td> </tr> </tbody> </table>	Sr No.	Description	Specification		Battery Configuration minimum cell capacity	3.2V- 40 AH: LiFePO4	1	Working Temperature Range (both for charging & discharging)	0-60 Deg C	2	Storage Temperature Range	@ 0-40 Deg- 6 months	3	Cycle Life (Full charge to full discharge @ 25 deg C, before capacity of battery falls below 75%)	more than 5000 Cycles	4	Battery Warranty	The LFP batteries shall be warranted for 15 years	5	Type of Cell	Prismatic	6			<p>2) Working Temperature Range: for charging 0-45 deg C &amp; for discharging 0-60 degC</p> <p>3) Storage Temperature Range: @ 0-35 Deg C- 3 months</p> <p>4) Cycle Life (Full charge to full discharge @ 25 deg C before capacity of battery falls below 75%): 3000 Cycles</p> <p>5) Battery Warranty: The LFP batteries shall be warranted for 5 years.</p> <p>Incase, you are going to select for 15 years battery warranty then size of battery and cost will increase.</p>	Please refer Corrigendum
Sr No.	Description	Specification																											
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36			<p>CABLES: c. For the AC cabling, PVC or XLPE insulated and PVC sheathed single or multi-core flexible copper cables shall be used. Outdoor AC cables shall have a UV-stabilised outer sheath</p>	<p>In general practice, AC Cables from ACDB till the client's LT panel shall be of Aluminum cable as copper cable will increase the project cost.</p>	<p>CABLES: c. For the AC cabling, PVC or XLPE insulated and PVC sheathed single or multi-core flexible copper/ aluminium cables shall be used. Outdoor AC cables shall have a UV-stabilised outer sheath. The total voltage drop on the cable segments from the solar grid inverter to the building distribution board shall not exceed 2.0%</p>																								
37			<p>WARRANTY AND MAINTENANCE: 2. The LFP batteries will be warranted for Full replacement or free repair for first 5 years and on Pro-rata basis for the next 10 years.</p>	<p>Please elaborate this "and on Pro-rata basis for the next 10 years."</p>	Please refer Corrigendum																								

S.No	Bidder Name	Clause No & Page No	Particular as per tender document	Query / suggestion	UPNEDA Response																
38			Details of offer (please mention number of pages and number of Drawings in the hard copy)	Please clarify the drawings that we have to submit along with bid or to be submitted by successful bidder after signing of contract agreement.	During Pre Dispatch Inspection																
39			<p>Earnest money deposit (EMD): The bidder should submit EMD in the form of BG or DD of 2 % of Estimated Cost. (For 11kW-50 kW)</p> <table border="1"> <thead> <tr> <th colspan="4">EMD Fee Details</th> </tr> </thead> <tbody> <tr> <td>EMD Amount in ₹</td> <td>1,37,00,000</td> <td>EMD Exemption Allowed</td> <td>Yes</td> </tr> <tr> <td>EMD Fee Type</td> <td>fixed</td> <td>EMD Percentage</td> <td>NA</td> </tr> <tr> <td>EMD Payable To</td> <td>Director UPNEDA</td> <td>EMD Payable At</td> <td>Lucknow</td> </tr> </tbody> </table>	EMD Fee Details				EMD Amount in ₹	1,37,00,000	EMD Exemption Allowed	Yes	EMD Fee Type	fixed	EMD Percentage	NA	EMD Payable To	Director UPNEDA	EMD Payable At	Lucknow	<p>As per bid document bidder should pay EMD of 2% of Estimated Cost (i.e. 2%*Rs. 68,74,00,000) which comes Rs. 1,37,48,000/-.</p> <p>While on e-tender portal EMD amount is showing Rs. 1,37,00,000 (Snapshot enclosed).</p> <p>Please clarify and confirm the exact EMD amount that bidder has to submit.</p> <p>Hard copy of BG/DD to be submitted to your "Uttar Pradesh New &amp; Renewable Energy Development Agency, Vibhuti Khand, Gomti Nagar, Lucknow office before bid submission due date by all bidders or only successful Bidder/L1. Please confirm.</p>	Please refer Corrigendum
EMD Fee Details																					
EMD Amount in ₹	1,37,00,000	EMD Exemption Allowed	Yes																		
EMD Fee Type	fixed	EMD Percentage	NA																		
EMD Payable To	Director UPNEDA	EMD Payable At	Lucknow																		
40	LANDSKY ENGINEERS PVT.LTD.		Time Extension	kindly extend the timeline for the above reference Bid up to 24-08-2024.	Last Date of Bid submission is 16.08.2024																
41	OGOENERGY INDIA PVT. LTD.	Page No 8, Clause no 3,5	Period of Work-Within 4 months from the date of issuance of Work Order or as specified by UPNEDA	We request to tender authority please clarify this , all work order of 1 MW will be released in single order or work order will be released in phase wise. We considering this 4 month is given for work allotted only ( phase wise or single lot ) .	work order will be issued in different phases subject to availability of funds from the govt. departments. Completion Time period is within 4 months from the date of issuance of Work Order																
42			Tentative Capacity (MW) -1 MW The above said quantity is dependent on availability of fund	We request to share the capacity category wise like 50 kw - x nos. , 75 kw - y nos. , in tender only consolidated capacity 1 MW is given .	Details of Site /Location shall be provided in the Work Order.																

S.No	Bidder Name	Clause No & Page No	Particular as per tender document	Query / suggestion	UPNEDA Response
43		Page No 8, Clause no 3,15	Consortium/JV Allowed: Yes	Max. Nos. of members allowed in JV / Consortium	Maximum no of JV Partners should be 3 Nos. JV partner should not withdraw within the tenure of agreement and O&M period. If JV partner withdraw then all members of JV will be blacklisted and suspended/debarred from participating in upcoming tenders issued by any department of Uttar Pradesh Government for a period of 5 years from the date of default as notified by UPNEDA.
44		Page No 22, Clause no 8.9, 1	The "UPNEDA", his duly authorized representative shall have at all reasonable times access to the contractor/bidders premises or works and shall have the power at all reasonable time to inspect and examine the materials and workmanship of the works during its manufacture.	we are considering that all visit and other expenditure will be born by UPNEDA for the said visit, this visit will be prior informed to manufacturer	All visit and other expenditure will be born by Firm.
45		Page No 22, Clause No 8.9, 2	The contractor/ bidder shall give the "UPNEDA", 7 day's written notice of any material being ready for testing. It shall be mandatory that such notice should reach "UPNEDA" within 30 days of placement of work order. Such tests shall be on the contractor/ bidder's accounts/expenses except for the expenses of the inspector. "UPNEDA" reserves the fullrights, to waive off inspection of material	As there are many sites categories wise so any confirmation for which capacity material asked in the clause . Please clarify	Randomly any project site
46		Page No 22, Clause No 8.9, 3	The contractor/ bidder are required to get the entire lot of the ordered material inspected at one time, before the supply of the materials. In case the contractor/ bidder fails to get the entire lot inspected at one time, the total expenses of the further inspection will be borne by the supplier/contractor/ bidder	We are expecting this the complete order will be raised by the UPNEDA in single GO , so all supply chain and timing could be met . If order will be in phase manner then testing and readiness of the material be according to that. Please support and suggest .	work order will be issued in different phases subject to availability of funds from the govt. departments.
47		Page No 24, Clause 8.15,1	1. The contractor/ bidder is required under the contract to deliver the goods to the site. Transportation, storage, safety and security of the supplied material, issuance of road permit etc. shall be the sole responsibility of the contractor/bidder.	We request to please consider storage place to be provided by UPNEDA/ concerned place authority with lock in key .	As stipulated in bid document
48		Page No 24, Clause No 8.17	Project(s) shall be got inspected by the bidder from the list of empanelled experts/UPNEDA . All the expenses for third party expert inspection in this regard shall be borne be the Bidder only. UPNEDA reserves the right to do sample inspection checks for the projects commissioned by the Bidder.	we request the authority please clarify which type of inspection will be carried out and which type of expanses is mentioned here.	Plant inspection , Third Party inspection charges shall be borne by Firm.
49		Page No 25, Clause No 8.20	85% of the ordered value after the supply, installation and commissioning of the system along with the Joint Commissioning & handing over certificate, indicating bill of material and successful commissioning duly countersigned by the designated officer and end user.	We request to official to revise the payment terms 85 % of the payment as x % of payment will be released at material supplied and verified, y % at Installtion and commissioning as per the said terms ,	As stipulated in bid document
50		Page No 25, Clause No 8.21, 3	The Contractor/ bidder shall continue to provide spare parts after the expiry of warranty period at the users cost. If the contractor/ bidder fail to continue to supply spare parts and services to users "UPNEDA" shall take appropriate action against the Contractor/ bidder	Agreed , we are considering this as all the spare parts will be taken at FMV cost at that time by USER.	As stipulated in bid document

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51		Page No 25, Clause No 8.21, 6	The UPNEDA has the right to pick any sample in working condition from field, for random testing of any of the component of the system or complete system from MNRE authorized test center or own. The expenditure on the tests (for maximum 2 systems) will be borne by the supplier. If more system(s) are taken for testing, the cost of testing shall be borne by the UPNEDA	We request to tender authority please clarify, why the running system testing required for 2 system and which type of testing is required , please clarify.	As stipulated in bid document
52		Page No 38	Servo Controlled Automatic Voltage Stabilizer	why this servo controlled automatic voltage stabilizer is required, Please clarify . As in hybrid inverter has its own bandwidth of voltage range.	Please refer Corrigendum
53		Page No 39, Clause No 4	Cycle Life (Full charge to full discharge @ 25 deg C before capacity of battery falls below 75%)-more than 5000 Cycles, Working Temperature Range (both for charging & discharging) 0-60 Deg C	Please review the cycle required, at the given temp range .as general practice it is 2500 - 3000 nos. at 80 % Dod , 25 deg.	Please refer Corrigendum
54		Page No 39, Clause No 5	Battery Warranty- The LFP batteries shall be warranted for 15 years.	standard practice for lithium batteries warranty 5 years in controlled environment . As there is no information about the site and the conditions on sites . We request to keep the standard warranty is 5 years though design life of the lithium battery can be 8-10 years ( depend on the uses pattern and STC conditions)	Please refer Corrigendum
55		Page No 39	Depth of Discharge: minimum 90% Maximum Discharging rate: up to 1C rate of battery Capacity Maximum Charging Rate: upto 0.5 C rate of battery capacity	as per the clarification attached in the tender documents capacity is given as 1 KW / 3.8 kWh so maximum utilization factor will be C / 3 rate only . Why discharging and charging rate required 1 C/ 0.5 C please clarify.	Depth of Discharge: minimum 90% Maximum Charging rate up to C/2 rate of battery Capacity and maximum Discharging rate: up to C/3 rate of battery Capacity
56			General	Please clarify the capacity 1 kW / 3.8 kWh i.e kW/ kWh rating . This energy that is given is usable energy or gross energy as there will be Dod and some other factors that we need to consider for calculation of rating. At 1 kW / 3.8 kWh - 3.8 kWh is dispatchable energy or gross energy ???	It's the gross energy of battery considering all derating factors, DoD, temp. correction factor, aging factor etc.
57		Page No 41,42	Ingress protection - i.e given in table is IP 20/ 21 and Degree of protection: Minimum IP-54 for internal units and IP-65 for outdoor units	which one IP is to be considered.	Degree of protection: Minimum IP-54 for internal units and IP-65 for outdoor units
58			The Installer shall supply the following documentation: > System description with working principles. > System single line diagram. > Solar PV array lay-out. > Routing diagram of cables and wires. > Data sheets and user manuals of the solar PV panels and the solar grid inverter. > A system operation and maintenance manual. > Name, address, mobile number and email address of the service centre to be contacted in case of failure or complaint. > Warranty cards. > Maintenance registers.	These all documents will be submitted at what stage of the tender (time) please confirm. Because all the site-specific documents can be submitted after site allotment and survey.	After site allotment and survey

S.No	Bidder Name	Clause No & Page No	Particular as per tender document	Query / suggestion	UPNEDA Response
59		Page No 51	Security, safety, watch, and ward of all materials at sites shall be the responsibility of the Contractor/Bidder	We requesting the authority to support on this as there are many sites as per the project nature, we request the authority to assign the concern person from the respecting dept/ installation place person for support in security.	As stipulated in bid document
60	Sainik Industries Pvt ltd	Page No 39	Warranty of LFP batteries shall be 15 years	In that case, we can go for 10 years of warranty (5 years standard warranty +5 year AMC) in this segment with the required specifications, 15 years warranty with a single battery pack is not possible with the required specification as mentioned in the tender. i.e 1C discharging/0.5C Charging	Please refer Corrigendum
61	Shrinet & Shandilya construction Private Limited	Page No 39	Warranty of LFP batteries shall be 15 years	we need to raise the query against the non-feasibility of 15 years of Battery warranty.	Please refer Corrigendum
62	Statcon energiaa Pvt Ltd		Inverter	In order to get better reliability and avoidance of mismatch between Solar Inverter & Li Ion Battery, it is proposed to offer a complete composite unit consisting of Solar Inverter,battery ACDB & DCDB as a single entity.	It is Lithium Ferrophosphate battery instead of Lithium Ion Battery. For capacity range 51 to 75 kW it may not be possible to offer a complete composite unit consisting of Solar Inverter,battery ACDB & DCDB as a single entity by several vendors.
63	Vultech Enterprises LLP		<b>5 Pre-Bid Eligibility Criteria:</b> <b>3. Past Performance:</b> The Bidder should have continuously supplied and installed Solar Rooftop Power Plant for 30% of bid quantity, i.e 300 kW, in last Five financial years i.e. 2019-20, 2020-21, 2021-2022, 2022-2023 and 2023-2024 to any Central/State Govt. Organization (including local body or autonomous institutions working under it.)/Company. (If Bidder provides work experience regarding supply, installation and commissioning from company, bidder must provide the certificate of incorporation of respective company.)	As per the pre bid eligibility criteria, are we required to have supplied and installed Solar Rooftop Plant for 300KW in each of the last five financial years or is the quantity required cumulatively?	Cumulatively Quantity