

Corrigendum-2

Bid No: 01/UPNEDA/ Smart Solar Street Lighting System/2024-25, Dated: 05.07.2024

Sno	Point / Clause No.	Existing Clause	Corrigendum
1	E. Pre-Bid Eligibility Criteria, Past Performance: page no 14, Form C: Checklist, Sr. No 6, Page No 37 and Form F: Sr. No 3, Page No 42	<p>Past Performance: The bidder must be engaged in the above said business in last Five years i.e. 2019-2020, 2020-2021, 2021-22, 2022-2023 and 2023-2024. However, Work experience regarding supply and installation of minimum 30% of bid quantity i.e. 450.nos. of Solar LED High Mast Lighting Projects/Solar Heritage High Mast/Smart Solar Street Light or all in collectively from 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 private company, GPS location or Geo tagging details of the installed systems is required duly certified by the concerned Govt. Department/Organisation, also bidder must provide the certificate of incorporation of respective company.)</p>	<p>Past Performance: The bidder must be engaged in the above said business in last Five years i.e. 2019-2020, 2020-2021, 2021-22, 2022-2023 and 2023-2024. However, Work experience regarding supply and installation of minimum 30% of bid quantity i.e. 450.nos. of Solar LED High Mast Lighting Projects/Solar Heritage High Mast/Smart Solar Street Light/Solar Street Light or all in collectively from 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 private company, GPS location or Geo tagging details of the installed systems is required duly certified by the concerned Govt. Department/Organisation, also bidder must provide the certificate of incorporation of respective company.)</p>
2	10 Scope of Work and Technical Specifications	<p>ix. The Modules and Cells should be manufactured in India and should be complied with the prevailing MNRE Approved List of Models and Manufacturers of Solar Photovoltaic Modules and subsequent amendments and clarifications issued until the bid submission deadline, shall be applicable for this Bid. The Successful Bidder must procure Solar PV Modules from MNRE ALMM List as per the UPNEDA office order no 144 dated 08.04.2024.</p>	Clause Deleted
3	10 Scope of Work and Technical Specifications:	<p>Battery capacity minimum 100 Ah, LiFePO4, life cycle minimum 2000 @ 90% DOD with IP 68, dimension maximum 120x146x470 mm, 13.2 kg, Battery should comply with IS</p>	<p>Battery capacity minimum 100 Ah, 12.8 V, LiFePO4, life cycle minimum 2000 @ 90% DOD with IP 68, dimension maximum 120x146x470 mm, 13.2 kg, Battery should comply</p>

	Broad Performance Parameters: Battery	16406:2015/IEC 62133:2012, BIS certification etc.	with IS 16406:2015/IEC 62133:2012, BIS certification etc. The minimum cell capacity shall be 6AH, 3.2Volt. The battery dimensions are specified so that the battery can be placed inside the pole from aesthetics point of view. Slight variation in weight and dimension are acceptable.
4	10 Scope of Work and Technical Specifications: Test Report	Test Report 1. Standard fixture should confirm to applicable IEC 60598-1, IEC 61000-3-2, IEC 61547, LM 79 & LM 80, BIS	Test Report 1. Standard fixture should confirm to applicable IEC 60598-1, IEC 61547, IEC 61347-2-13:2014, LM 79 & LM 80, BIS
5	10 Scope of Work and Technical Specifications: Test Report	3. Over voltage Protection Declaration of Conformity safety compliance report for charge controller and should be certified as per IEC 60598-1, IEC 61000-3-2, IEC 61547.	3. Over voltage Protection Declaration of Conformity safety compliance report for charge controller and should be certified as per IEC 62509:2010, IEC 62093:2022,

Name of Work: Supply, installation, testing and commissioning of LED based Smart Solar Street Lighting System (Integrated Vertical PV Module) including 5 years comprehensive warranty, Operation and maintenance for various cities /solar cities of Uttar Pradesh as per specification given in Scope of Work of Bid Document.

Bid No: 01/UPNEDA/ Smart Solar Street Lighting System /2024-25

Pre Bid Meeting dated : 12.07.2024

Response to Queries

S.No	Bidder Name	Clause No & Page No	Particular as per tender document	Query / suggestion	UPNEDA Response
1	AUMNSHI GLOBAL INDIA PRIVATE LIMITED		Past Performance: The bidder must be engaged in the above said business in last Five years i.e. 2019-2020, 2020-2021, 2021-22, 2022-2023 and 2023-2024. However, Work experience regarding supply and installation of minimum 30% of bid quantity i.e. 450.nos. of Solar LED High Mast Lighting Projects/Solar Heritage High Mast/Smart Solar Street Light or all in collectively from 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 private company, GPS location or Geo tagging details of the installed systems is required duly certified by the concerned Govt. Department/Organisation, also bidder must provide the certificate of incorporation of respective company.)	Past Performance: The bidder must be engaged in the above said business in last Five years i.e. 2019-2020, 2020-2021, 2021-22, 2022-2023 and 2023-2024. However, Work experience regarding supply and installation of minimum 30% of bid quantity i.e. 450.nos. of Solar LED High Mast Lighting Projects/Solar Heritage High Mast/Smart Solar Street Light/Solar Home Light or all in collectively from 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 private company, GPS location or Geo tagging details of the installed systems is required duly certified by the concerned Govt. Department/Organisation, also bidder must provide the certificate of incorporation of respective company.)	Please refer Corrigendum
2			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 11.84 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. (A summarized sheet of average turnover certified by registered CA should be submitted along with audited Balance Sheet).	Special Relaxations: For Uttar Pradesh MSMEs and vendors of UPNEDA (Uttar Pradesh New and Renewable Energy Development Agency), there is a special relaxation that requires bidders to have a minimum of 15% of the tender value, which is ₹5.5 crore.(Average Annual Turnover in Last 3 Yrs).	As stipulated in Tender Document
3	LANDSKY ENGINEERS PVT.LTD		Date of Submission	We request you to kindly extend the timeline for the above reference Bid up to 25-08-2024. We are looking forward to your positive response at the earliest.	The Last date of bid submission is 12.08.2024
4	Powernest Global Private Limited		Past Performance: The bidder must be engaged in the above said business in last Five years i.e. 2019-2020, 2020-2021, 2021-22, 2022-2023 and 2023-2024. However, Work experience regarding supply and installation of minimum 30% of bid quantity i.e. 450.nos. of Solar LED High Mast Lighting Projects/Solar Heritage High Mast/Smart Solar Street Light or all in collectively from 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 private company, GPS location or Geo tagging details of the installed systems is required duly certified by the concerned Govt. Department/Organisation, also bidder must provide the certificate of incorporation of respective company.)	Request specific amendments to the tender document 1. Past Performance Criteria: We respectfully request that the past performance criteria be amended to include: - Off-Grid Solar Works: Experience with Solar Home Lighting Systems. - On-Grid Power Works: Experience with on-grid power projects up to 350 kW.	Please refer Corrigendum

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5			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 11.84 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. (A summarized sheet of average turnover certified by registered CA should be submitted along with audited Balance Sheet).	Request specific amendments to the tender document 2. Financial Criteria : We also request a relaxation on the bidder turnover requirements for: - MSMEs having Manufacturing of Solar Products: Specifically, those with an average annual turnover of up to ₹5 crore over the last three financial years. - Start-Up India Registered Entities: Recognizing the innovative contributions and potential of start-ups in the renewable energy sector.	As stipulated in Tender Document
6	Schnell Energy Equipments Pvt. Ltd		Past Performance: The bidder must be engaged in the above said business in last Five years i.e. 2019-2020, 2020-2021, 2021-22, 2022-2023 and 2023-2024. However, Work experience regarding supply and installation of minimum 30% of bid quantity i.e. 450.nos. of Solar LED High Mast Lighting Projects/Solar Heritage High Mast/Smart Solar Street Light or all in collectively from 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 private company, GPS location or Geo tagging details of the installed systems is required duly certified by the concerned Govt. Department/Organisation, also bidder must provide the certificate of incorporation of respective company.)	Please refer to your Sr. No. 3 of pg no. 14 of Pre-bid eligibility criteria where SITC experience/ similar experience is mandated for only solar LED Street lights. We would like to request you to kindly amend the same and include SITC of smart LED Street lights with group/ individual controllers as well. The technology and expertise in the above two is absolutely same, it is just that the electrical parameters of the Solar street lights are changed.	Please refer Corrigendum
7	THREE TUSKERS SECURITY PRIVATE LIMITED		Past Performance: The bidder must be engaged in the above said business in last Five years i.e. 2019-2020, 2020-2021, 2021-22, 2022-2023 and 2023-2024. However, Work experience regarding supply and installation of minimum 30% of bid quantity i.e. 450.nos. of Solar LED High Mast Lighting Projects/Solar Heritage High Mast/Smart Solar Street Light or all in collectively from 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 private company, GPS location or Geo tagging details of the installed systems is required duly certified by the concerned Govt. Department/Organisation, also bidder must provide the certificate of incorporation of respective company.)	1. Past Performance Criteria We request the consideration of the following experience for the past performance evaluation: - On-Grid Solar Projects: A minimum of 500 kW capacity executed for any government organization. - Off-Grid Solar Works: This includes Solar Home Lighting Systems and Solar Pumps installations.	Please refer Corrigendum
8			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 11.84 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. (A summarized sheet of average turnover certified by registered CA should be submitted along with audited Balance Sheet).	2. Relaxation on Bidder Turnover for MSMEs We request a relaxation on the bidder turnover requirements specifically for MSMEs of Uttar Pradesh. Given the vital role of MSMEs in the economic development of the state, easing this requirement will empower more local businesses to participate and thrive.	As stipulated in Tender Document

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9	Wellborn Digital Pvt. Ltd.		Past Performance: The bidder must be engaged in the above said business in last Five years i.e. 2019-2020, 2020-2021, 2021-22, 2022-2023 and 2023-2024. However, Work experience regarding supply and installation of minimum 30% of bid quantity i.e. 450.nos. of Solar LED High Mast Lighting Projects/Solar Heritage High Mast/Smart Solar Street Light or all in collectively from 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 private company, GPS location or Geo tagging details of the installed systems is required duly certified by the concerned Govt. Department/Organisation, also bidder must provide the certificate of incorporation of respective company.)	1. Past Performance Criteria: We respectfully request that the past performance criteria be amended to include - Off-Grid Solar Works: Experience with Solar Home Lighting Systems and Solar Pumps installations specifically for UPNEDA-registered vendors and MSMEs of Uttar Pradesh.	Please refer Corrigendum
10				Given the critical role of MSMEs in Uttar Pradesh's economy and the expertise of UPNEDA-registered vendors, relaxing the turnover requirements will encourage greater participation from local businesses.	As stipulated in Tender Document
9	Crompton	J. SCOPE OF WORK AND TECHNICAL SPECIFICATIONS, SPV Module, Page no 31	Solar Panel Voc (Min)- 21V	Currently Panels are available in 42V - 48V version. Panels with 21V Voc can be sourced on lead time.	As stipulated in Tender Document
10			Solar Panel Cell capacity 180Wp X 2 nos;	180Wp X 2 nos; 72 Cell design panel Need clarification on 8 site string.	8 panels each of dimension 172x172x2000 & wattage 45W mounted on 4 sides of pole in two rows (pole wrapped)
11			Battery Capacity- 12.8V /100Ah = 50Ah X 2 nos.	25.6V/48Ah = 24Ah X 2nos. (Performance is better)	As stipulated in Tender Document
12			Battery Cell capacity	Request for 3.2V/6Ah, 6Ah cell is market standard. 6Ah cell is market standard.	Minimum Cell Capacity shall be 6 Ah
13			Battery discharge cycle	80% Better battery performance.	As stipulated in Tender Document
14			Nominal Voltage	25.6Vdc (Voltage values are based on battery selection. Currently battery selected is 25.6V)	Battery Voltage shall be 12.8V
15			Nominal Voltage range	22.8 -29.0Vdc	Battery Voltage shall be 12.8V
16			Rated & Max. Charge Current.	10A (Current Solution supports 10A max. charging current)	Not defined charging current as per design
17		J. SCOPE OF WORK AND TECHNICAL SPECIFICATIONS, Battery, Page no 32	Discharge cut-off voltage	22.8Vdc	Battery Voltage shall be 12.8V
18			Charging Cut-Off Voltage	29.0Vdc (Voltage values are based on battery selection. Currently battery selected is 25.6V)	Battery Voltage shall be 12.8V
19			Charging Indication	Green LED Blinking = Charging Green LED Glow = Full Charge	ok
20			Charging Technique	Auto Equalisation & Testing (More details required from UPENDA)	As stipulated in Tender Document
21			Battery Box- Hot dipped galvanized - IP65	Powder coated 7032 - IP54 Powder coating quality & finish will be superior in comparison to GI. Battery package is IP65 protected, whereas IP54 box ensures better thermal dissipation.	As stipulated in Tender Document

S.No	Bidder Name	Clause No & Page No	Particular as per tender document	Query / suggestion	UPNEDA Response
22	Devang Solaar Pvt. Ltd.	Page No. 14 Pre-Bid Eligibility Criteria Point No.3	Past Performance: The bidder must be engaged in the above said business in last five years i.e. 2019-2020, 2020-2021, 2021-2022, 2022-2023 and 2023-2024. However, work experience regarding supply and installation of minimum 30% of bid quantity i.e. 450 Nos of Solar LED High Mast Lighting Project/Solar Heritage High Mast/Smart Solar street light or all in collectively from 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 private company, GPS location or Geo tagging details of the installed systems is required duly certified by the concerned Govt. Department/Organization, also bidder must provide the certificate of incorporation of respective company.)	We request you to consider the Solar street Light experience also in this qualification criteria.	Please refer Corrigendum
23		Page No. 29 Scope of Work in PV Modules	Only indigenous modules shall be used in the project. Poly/Mono-Si minimum 2X180Wp / 23Voc PV module Poly/Mono-Si with minimum Dimension not more than 172x172x2000 mm each, solar cell efficiency minimum 16.4%, 8 site string of minimum 45 watt each, total nominal peak power output minimum 360Wp, shall comply IEC 61215.	Both the things are mentioned for dimension, minimum and not more than 172x172x2000mm, means that the department want this size only. We request you to kindly remove this clause.	The dimensions are specified so that the battery can be placed inside pole from aesthetics point of view. Slight variation in weight and dimension is acceptable.
24		Page No. 29 Scope of work in Battery	Battery capacity minimum 100 Ah, Life PO4, life cycle minimum 2000 @ 90% DOD with IP 68, dimension maximum 120X146X470mm, 13.2 Kg, Battery should comply with IS 16406:2015/IEC 62133:2012, BIS Certification etc.	The dimension mentioned in tender as maximum 120X146X470mm, 13.2Kg. But the dimension and weight can also be more than that. We request you to kindly remove these dimension and weight parameters also.	The dimensions are specified so that the battery can be placed inside pole from aesthetics point of view. Slight variation in weight and dimension is acceptable.
25		Page No. 30 Minimum Technical Requirement Sr. No. 3 SPV Modules Point No. ix	The Modules and Cells should be manufactured in India and should be complied with the prevailing MNRE approved list of models and manufacturers of Solar Photovoltaic modules and subsequent amendments and clarifications issued until the bid submission deadline, shall be applicable for this bid. The successful bidder must procure Solar PV Modules from MNRE ALMM list as per the UPNEDA office order no 144 dated 08.04.2024.	The wattage mentioned in the tender is 8 strings of 45W each. However, there are no manufacturers listed in the MNRE ALMM list for this specific wattage. Therefore, we kindly request the removal of the ALMM listed panel clause.	Only indigenous modules shall be used in the project.
26		Page No. 30 Scope of Work in Light out put	Lighting Fixture – Cobra head	This line shows that department want one specific model and restricting participation of the bidders. We request you to kindly allow the options equivalent to this model	Cobra head or equivalent
27	HAVELLS INDIA LTD.	General Technical Specifications Page 29, Sr No. 1, Scope of Work	Battery dimension maximum 120x146x470mm , 13.2 kg,	Maximum dimensions and weight shall be as per OEM design, to be aligned with POLE dimensions, since the battery capacity specified is minimum 100AH, higher AH may still be offered.	The dimensions are specified so that the battery can be placed inside pole from aesthetics point of view. Slight variation in weight and dimension is acceptable.
28			Luminaire Over voltage Protection.	not applicable since the Luminaire is not connected to Mains supply, (Test method and specification for Over voltage protection to be elaborated)	Refer Corrigendum
29		Page 30, Sr No. 1, Scope of Work	Luminaire Luminaire should confirm to applicable IEC 61000- 3-2, IEC 61547. Lighting	Harmonics not applicable since the luminaire is operated on DC voltage. As per IEC 61000-3-2 For systems with nominal voltages less than but not equal to 220 V (line-to-neutral), the limits have not yet been considered. IEC 61547, not applicable since the Luminaire is not connected to Mains supply. (applicable for Hybrid solar street light only)	Refer Corrigendum

S.No	Bidder Name	Clause No & Page No	Particular as per tender document	Query / suggestion	UPNEDA Response
30		Page 30, Luminaire,	Fixture- Cobra head	tender specs to avoid shape specific requirements	Cobra head or equivalent
31		Page 30,Test Report	1. Standard fixture should confirm to applicable IEC 60598-1, IEC 61000-3-2, IEC 61547, LM 79 & LM 80, BIS	Since IEC 61000-3-2, IEC 61547 not applicable, kindly remove this. (applicable for Hybrid solar street light only)	Refer Corrigendum
32		Page 30,Test Report	Over voltage Protection Declaration of Conformity safety compliance report for charge controller and should be certified as per IEC 60598-1, IEC 61000- 3-2, IEC 61547.	not applicable since the Luminaire is not connected to Mains supply, (Test method and specification for Over voltage protection to be elaborated)	Refer Corrigendum
33				IEC 60598-1, applicable for Luminaire (Safety) not for Charge controller (Applicable IEC 62093:2022 Photovoltaic system power conversion equipment - Design qualification and type approval)	Refer Corrigendum
34		Page 31	The Successful Bidder must procure Solar PV Modules from MNRE ALMM List as per the UPNEDA office order no 144 dated 08.04.2024.	Delete this (ALMM approval does not exist for PV modules of 45Wp)	Only indigenous modules shall be used in the project.
35	Lords		Past Performance: The bidder must be engaged in the above said business in last Five years i.e. 2019-2020, 2020-2021, 2021-22, 2022-2023 and 2023-2024. However, Work experience regarding supply and installation of minimum 30% of bid quantity i.e. 450.nos. of Solar LED High Mast Lighting Projects/Solar Heritage High Mast/Smart Solar Street Light or all in collectively from 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 private company, GPS location or Geo tagging details of the installed systems is required duly certified by the concerned Govt. Department/Organisation, also bidder must provide the certificate of incorporation of respective company.)	We request that organizations/Firms with experience of 5000 Solar LED Street Light/Smart Solar Street light with RMS/High mast light or smart SSL to be allowed so that our side can bid in the said tender.	Please refer Corrigendum
36			Tendered Quantity- 1 MW	Reserve 200-300 kWp in Rooftops for Startups	As stipulated in Tender Document
37			Earnest Money Deposit (EMD): The bidder should submit EMD in the form of BG or DD of 2% of Estimated Cost.	The bidder should submit EMD in the form of BG or DD of only 2% of 20-25% of cost of tender estimate.	As stipulated in Tender Document
38			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 11.84 Crores.	For Startup India registered firm: average turnover of any three years should be not less than 2 crores and turnover must be increasing of every year.	As stipulated in Tender Document
39			Work experience regarding supply and installation of minimum 30% of bid quantity i.e. 450 nos. of Solar LED High Mast Lighting Projects/Solar Heritage High Mast/Smart Solar Street Light or all in collectively from any central/state Govt. Organization (including local body or autonomous institutions working under it.)/Company.	Single Work Experience of 1 Crores of Solar Lightings/Rooftops Or Two Work Experience of 50 Lakhs of Solar Lightings/Rooftop or Composite Experience of 1 crores in Solar Lightings and Rooftop.	As stipulated in Tender Document

S.No	Bidder Name	Clause No & Page No	Particular as per tender document	Query / suggestion	UPNEDA Response
40	VJ Electricals and Construction LLP		Required Work Order copies/LOA's/ Completion certificates (Don't accept Work order copies/LoA's for preventings defaulters.)	Only accept Experience certificate/completion certificate for both startups and experienced general firms. (for healthy participation those only eligible have successfully completed project of clients Govt./Institutional/NGO's)	For Qualification Work Completion Certificate required.
41				<p>Smart Solar Street Lighting tender does not include essential smart features such as hybrid functionality and Remote Monitoring System (RMS)</p> <p>1. Hybrid Charging System -Solar Charging: The primary method where the light is charged using solar energy during the day. -Electric Charging Backup: When solar charging is insufficient (e.g. During cloudy days or night time), the system can switch to electric charging from the grid.</p> <p>2. Wireless Remote Monitoring System - Real time Status Monitoring: Using IoT technology, each light can send status updates to a central system. This includes information about wheather the light is on, the battery level and wheather it is charging. - Fault Detection: The system can detect and report faults automatically. For example, if a light fails to turn on or if the battery isn't charging properly, a notification can be sent. - Remote Control: Authorised personnel can control the lights remotely, turning them on or off and switching between charging modes if needed.</p>	As stipulated in Tender Document
42					Class "A" Electrical License by Electrical Safety department Mandatory for all bidders " for safety compliances"