

Corrigendum-2

Bid No: 01/UPNEDA/ Solar Heritage High Mast /2024-25, Dated: 05.07.2024

Sno	Point / Clause No.	Existing Clause	Corrigendum
1	<p>5. Pre-Bid Eligibility Criteria, Past Performance: page no 15, Form C: Checklist, Sr. No 6, Page No 45 and Form F: Sr. No 3, Page No 50</p>	<p>Past Performance: The Bidder should have continuously supplied and installed Solar LED High Mast Lighting Projects/Solar Heritage High Mast/Smart Solar Street Light or all in collectively for 30% of bid quantity, i.e 90 Nos, 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.)</p>	<p>Past Performance: The Bidder should have continuously supplied and installed Solar LED High Mast Lighting Projects/Solar Heritage High Mast/Smart Solar Street Light/Solar Street Light or all in collectively for 30% of bid quantity, i.e 90 Nos, 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.)</p>
2	<p>10. SCOPE OF WORK AND TECHNICAL SPECIFICATIONS, SPV Module, Page no 31</p>	<p>SPV Modules: i. Only indigenous modules of reputed brand IEC Tested shall only be used in the project. Crystalline high power/efficiency cells shall be used in the Solar Photovoltaic module. The power output of the each module shall not be less than 200 Wp at load under standard test conditions (STC).</p>	<p>SPV Modules: i. Only indigenous modules of reputed brand IEC Tested or equivalent BIS standards shall only be used in the project. Crystalline high power/efficiency cells shall be used in the Solar Photovoltaic module. The power output of the each module shall not be less than 200 Wp at load under standard test conditions (STC).</p>
3	<p>10. SCOPE OF WORK AND TECHNICAL SPECIFICATIONS, Battery, Page no 32</p>	<p>Battery: (1) The Battery pack should be got tested as per IEC 62133-2012 or BIS latest standard from BIS recognized labs or MNRE accredited test center, (Certificate Enclosed). The cell capacity should be 3.2 volt, 10AH/ 50AH.</p>	<p>Battery: (1) The Battery pack should be got tested as per IEC 62133-2012 or BIS latest standard (IS-16046 & IS-16047) from BIS recognized labs or NABL/ MNRE accredited test center, (Certificate Enclosed). The cell capacity should be 3.2 volt, 10AH/ 50AH.</p>

4	10. SCOPE OF WORK AND TECHNICAL SPECIFICATIONS, 1. Light Source:, Page no 33	1. Light Source: v. The LED efficacy should be more than 135 lumen / watt @ 350 mA, the total luminaire efficacy should not be less than 125 lumens per watt. (Including all loses) i.e the lumens output of each luminaire should not be less than 2250 lumens.	1.Light Out put v. The LED efficacy should be more than 135 lumen / watt, the total luminaire efficacy should not be less than 125 lumens per watt. (Including all loses) i.e the lumens output of each luminaire should not be less than 3750 lumens
5	10. SCOPE OF WORK AND TECHNICAL SPECIFICATIONS, 1. Light Source:, Page no 33	vi. All LED in circuit must be connected in series only. It must incorporate fail short mechanism in all LEDs. The LEDs used in the luminaire should have life time more than 50,000 hrs.	Clause Deleted
6	10. SCOPE OF WORK AND TECHNICAL SPECIFICATIONS, Solar Charge Controller:, Page no 35	Module Rating 110 Wp @ 16.4 volt \pm 0.2 v, if MPPT is not used with positive tolerance 36 Cell configuration Voc-> 21 Volts Vmp-16.4 volt \pm 0.2 at STC without MPPT	Module Rating SPV module aggregate capacity 800 Wp (200 Wp X 4 Nos.) at under STC. Module Voc minimum of 21V.
7	10. SCOPE OF WORK AND TECHNICAL SPECIFICATIONS, Solar Charge Controller:, Page no 35	Charge controller Rating @ Related Voltage 10 Amps	Charge controller Rating @ Related Voltage 20 Amps
8	10. SCOPE OF WORK AND TECHNICAL SPECIFICATIONS, Technical Requirement/Standards:, Page no 37	Storage Batteries General Requirements & Methods of Testing Tubular Lead Acid /Capacity Test Charge/Discharge Efficiency Self-Discharge - IS 1651/ IS 13369	Storage Batteries Secondary Cells and Batteries for Solar Photovoltaic Application — General Requirements and Methods of Test" IS 16270:2014

Name of Work:	Supply, installation, testing and commissioning with 5 years comprehensive warranty, Operation and maintenance of LED based Solar Heritage High Mast Lighting System at various solar cities of Uttar Pradesh.as per specification given in Scope of Work of Bid Document.				
Bid No:	01/UPNEDA/ Solar Heritage High Mast /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 should have continuously supplied and installed Solar LED High Mast Lighting Projects/Solar Heritage High Mast/Smart Solar Street Light or all in collectively for 30% of bid quantity, i.e 90 Nos, 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.)	Past Performance: The Bidder should have continuously supplied and installed Solar LED High Mast Lighting Projects/Solar Heritage High Mast/Smart Solar Street Light/ SOLAR HOME LIGHT PROJECT or all in collectively for 30% of bid quantity, i.e 90 Nos, 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 refer Corrigendum
2	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
3	Powernest Global Private Limited		Past Performance: The Bidder should have continuously supplied and installed Solar LED High Mast Lighting Projects/Solar Heritage High Mast/Smart Solar Street Light or all in collectively for 30% of bid quantity, i.e 90 Nos, 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.)	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
4	Powernest Global Private Limited		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 2.37 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

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5	THREE TUSKERS SECURITY PRIVATE LIMITED		Past Performance: The Bidder should have continuously supplied and installed Solar LED High Mast Lighting Projects/Solar Heritage High Mast/Smart Solar Street Light or all in collectively for 30% of bid quantity, i.e 90 Nos, 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.)	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
6			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 2.37 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
7	Wellborn Digital Pvt. Ltd.			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
8				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
		J. SCOPE OF WORK AND TECHNICAL SPECIFICATIONS, Battery, Page no 32	Battery Cell capacity- 3.2V/10Ah	Request for 3.2V/6Ah, 6Ah cell is market standard. 6Ah cell is market standard.	As stipulated in Tender Document
			Battery discharge cycle- 95%	80% Better battery performance.	As stipulated in Tender Document
			Storage temp. range	6 months If installation is not done with 1 months --need to charge batteries after every 15 Days	As stipulated in Tender Document
			Nominal Voltage -12.8Vdc	(0-25 Deg) 25.6Vdc (Voltage values are based on battery selection. Currently battery selected is 25.6V)	As stipulated in Tender Document
			Nominal Voltage range- 10.5V - 14.6V	22.8 -29.0Vdc	As stipulated in Tender Document

S.No	Bidder Name	Clause No & Page No	Particular as per tender document	Query / suggestion	UPNEDA Response
10			Rated & Max. Charge Current.- 20A	10A (Current Solution supports 10A max. charging current)	As stipulated in Tender Document
			Discharge cut-off voltage - 10.5Vdc	22.8Vdc	As stipulated in Tender Document
			Charging Cut-Off Voltage- 14.4V	29.0Vdc (Voltage values are based on battery selection. Currently battery selected is 25.6V)	As stipulated in Tender Document
			Charging Indication- Green LED Glow = Charging	Green LED Blinking = Charging Green LED Glow = Full Charge	ok
			Charging Technique	Auto Equalisation & Testing (More details required from UPNEDA)	Page 34, 2. ELECTRONICS The battery management system should automatically equalize the charge across all cells every 30 ± 2 days. Additionally, there must be a provision to verify this process during testing.
		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	
11	Devang Solaar Pvt. Ltd.	Page No. 15, Pre-Bid Eligibility Criteria, Point No. 3	Past Performance: The Bidder should have continuously supplied and installed Solar LED High Mast Lighting Projects/Solar Heritage High Mast/Smart Solar Street Light or all in collectively for 30% of bid quantity, i.e. 90 Nos. in last Five financial years i.e. 2019-20, 2020-21, 2021-22, 2022-23 and 2023-24 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 request you to kindly consider the Solar Street Light as part of this experience criteria.	Please refer Corrigendum
12		Page No. 36, Point No. Xii	Inbuilt remote monitoring facility should be available in MPPT charge controller and it should record following system parameters at a fixed time interval for system health analysis (time interval should be changeable from 15 minutes to 4 hours and will be intimated at the time of award of work as per the requirement.	Kindly clarify that the Sim card need to be fit in every light on one high mast. Suggestion: We suggest you to kindly mentioned there the Central Monitoring System in that system one sim card is sufficient to give the data of all the lights of one system.	Central Monitoring System in that system one sim card is sufficient to give the data of all the lights of one system.
13				Is there any specific design or photograph for the Heritage Solar High Mast Lighting System. We have design a Heritage Solar High Mast Lighting system we request your approval on that.	No any specific design, Designing is in the scope of successful bidders.
14		General Technical Specifications, Page 30, Light Output	Lumen efficacy of LED- min 135 lumens/Watt @350 mA.	Lumen efficacy of LED min 135 lumens/Watt @350 mA Maximum (considering LEDs those emits ultraviolet light will not be Permitted)	Clause modified as "The LED efficacy should be more than 135 lumen / watt, the total luminaire efficacy should not be less than 125 lumens per watt. (Including all losses) i.e the lumens output of each luminaire should not be less than 3750 lumens."
15		Page 31, Light Output, Vi	vi. The offered module shall be in accordance with the requirements of MNRE. 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 Modules should be manufactured in India	As stipulated in Tender Document

S.No	Bidder Name	Clause No & Page No	Particular as per tender document	Query / suggestion	UPNEDA Response
16	Havells India Ltd	page 32 4. BATTERY , 6	6 Capacity of Individual Cells 3.2V cell of 10 AH/ 50 AH	please also include 6 AH Cells	As stipulated in Tender Document
17		Page 33	1 Light Source ii The lamps, DC-DC driver and battery management system (BMS) should be housed in aluminum die-casted casing suitable for outdoor use and shall comply with IP 65.	The lamps, DC-DC driver should be housed in aluminum die-casted casing suitable for outdoor use and shall comply with IP 65. Battery and Battery management system (BMS) casing suitable for outdoor use and shall comply with IP 65. (since separate casing used for Light and Battery)	Separate casing used for Light and Battery
18			1 Light Source V LED efficacy should be more than 135 lumen / watt @ 350 mA,	Lumen efficacy of LEDmin 135 lumens/Watt @350 mA Maximum considering LEDs those emits ultraviolet light will not be Permitted	Clause modified as "The LED efficacy should be more than 135 lumen / watt, the total luminaire efficacy should not be less than 125 lumens per watt. (Including all loses) i.e the lumens output of each luminaire should not be less than 3750 lumens."
19			vi. All LED in circuit must be connected in series only. It must incorporate fail short mechanism in all LEDs.	Delete this (Please review MPPT Output voltage and current to derive 30W)	Clause deleted
20		Page 34, 2. ELECTRONICS	The auto equalization facilities for battery at every (30+_2 days) and provision to verify it during testing should be incorporated.	Please elaborate	The battery management system should automatically equalize the charge across all cells every 30 ± 2 days. Additionally, there must be a provision to verify this process during testing.
21		Page 35, Solar Charge Controller	3 Module Rating	110 Wp @ 16.4 volt ± 0.2 v, if MPPT is not used with positive tolerance 36 Cell configuration Voc-> 21 Volts Vmp-16.4 volt ± 0.2 at STC without MPPT Please review and update, Previously mentioned 200Wp Solar Panel	Clause modified as "SPV module aggregate capacity 800 Wp (200 Wp X 4 Nos.) at under STC. Module Voc minimum of 21V." Charge controller Rating @ 20A
22	Technical Requirement/Standards, Page 37	Storage Batteries	General Requirements & Methods of Testing Tubular Lead Acid /Capacity Test Charge/Discharge Efficiency Self-Discharge - IS 1651/ IS 13369 (Kindly reconfirm)	Clause modified as "Secondary Cells and Batteries for Solar Photovoltaic Application — General Requirements and Methods of Test" IS 16270:2014	
23	Sunrover Pvt. Ltd			In light of these circumstances, we respectfully request that you consider allowing companies that are registered under ALMM, but may not have the certification for the specific 110 WP wattage, to participate in the tender. This would ensure a broader and more competitive participation while still adhering to the high standards set by the ALMM certification.	As stipulated in Tender Document