

Reply of Pre-Registration Queries for Products Registration of Solar Street Light

Sl.No	Name of Company	Queries	BREDA's Clarification
		<p>Application Form for Registration of Manufacturers of 12-watt Luminaires 12.8V 30Ah Lithium Battery and 75 Wp Solar Photovoltaic Modules: The application form doesn't confirm any specification as to the location of battery for the streetlighting system ie Semi Integrated, within the Solar Street Light Luminaire or external to the Solar Street Light. Our humble submission is that any of the two configurations should be allowed provided they meet the DNIT Technical Specifications. The MNRE Specifications do not define the position of the battery, within or external to the system, It is technically advisable to keep the battery pack separate with proper ventilation to avoid heating aspect of the same. Since this will be placed right below the solar panel, the heating of the same due to external factors is also minimized because of the shade from the solar panel as it is located just below the panel. This also helps in ease of serviceability of the streetlighting system as the battery pack external to the streetlight can be replaced without any need for opening the streetlight, We hope you find due merit in our submission and kindly give due consideration to the same. Your immediate response shall be highly appreciated.</p>	<p>The battery should be integrate with luminaries</p>
		<p>This is with reference to the caption subject. The Prebid for the same was held successfully on 10th Feb 2021 at BREDA Office with various questions/Queries and submissions being raised by quite a few numbers of potentially interested bidders. Since BREDA might take time in deciding on the queries raised and giving suitable corrigendum, in view of the same, we would humbly request to kindly extend the due date for the subject empanelment suitably for a minimum period of 15 days so that BREDA's response could be gathered and then empanelment process be done accordingly. It is also humbly requested that the corrigendum be published on the website for easy viewing by all interested bidders. We hope you find due merit in our submission and kindly give due consideration to the same. Your immediate response shall be highly appreciated.</p>	<p>Revised Notice Extended upto 24.03.2021</p>
		<p>As per SEBI Recognized Credit Rating Agencies (https://www.sebi.gov.in/sebiweb/other/OtherAction.do?doRecognisedFpi=yes&intmId=7), there are total of 7 recognized Credit Rating Agencies out of which CRISIL Ratings Limited is also mentioned. Proof of same is attached with this letter</p>	<p>Please Refer Revised Registration Form</p>
		<p>We wish to inform that our Credit Rating is done by CRISIL Ratings Limited which is one of the most prestigious and foremost CRA in the country</p>	<p>Please Refer Revised Registration Form</p>

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		<p>As per Point 6 of Format 6, CRISIL Ratings Limited is not mentioned against CRAs for financial rating. In view of the same, it is humbly requested to kindly accept Credit Rating Agency, CRISIL Ratings Limited as valid financial rating agency and thus allow the same to be submitted against the empanelment form. We hope this request is inline and due consideration will be given to the same. We humbly request you to decide our request on its merit and do the needful. Kindly Accept & Oblige. Please find attached our request letter for clarification with respect to above mentioned subject for empanelment of manufacturers of 12 Watt Luminaires for use in Solar Street Lighting Application.</p>	<p>Please Refer Revised Registration Form</p>
		<p>IS 16101: This is not a standard, but only specifies terminologies that are used in other IS standards like IS 16102/16103/16107. This is thus not applicable for the 12 Watt LED Luminaire for solar street lighting application.</p>	<p>Please Refer Revised Registration Form</p>
<p>1</p>	<p>Ritika Systems Pvt. Ltd.</p>	<p>IS 16102: This standard applies to Self Ballasted LED Lamp. A Self Ballasted LED Lamp is defines as “a unit which cannot be dismantled without being permanently damaged, provided with a lamp cap and incorporating a LED Light Source”. Please note that luminaries used in solar streetlighting operations do not fall under this purview as:</p> <ul style="list-style-type: none"> a. It is not a self ballasted lamp b. It can be dismantled without any permanent damage c. There is no Lamp Cap but a protective glass casing/lens system physically attached to an Aluminium PDC body using clamps/screws d. It is completely a modular device where in each sub component including mechanical body/assembly, driver card, metal core lens card etc is completely removable <p>This is thus not applicable for the 12 Watt LED Luminaire for solar street lighting application.</p>	<p>Please Refer Revised Registration Form</p>
		<p>IS 16103: The scope of the same covers</p> <ul style="list-style-type: none"> a. LED Modules without integral control gear for operation under constant voltage, constant current or constant power. b. Self Ballasted LED Modules for use on dc supplies upto 250V or ac supplies upto 1000V at 50 hz <p>Since the 12 Watt LED Luminaire is inherently driven by a driver control card which provides constant voltage and constant power.</p> <p>This is thus not applicable for the 12 Watt LED Luminaire for solar street lighting application.</p>	<p>Please Refer Revised Registration Form</p>

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		<p>IS 16107: This standard applies to LED Luminaries for general lighting purpose and covers operational performance of the same as follows:</p> <ul style="list-style-type: none"> a. Marking b. Luminaire Power c. Luminous flux d. Lighting Intensity e. Angular Beam Distribution f. Luminaire Intensity Distribution g. Luminary Efficacy h. Chromaticity CCT i. Colour Rendering Index CRI j. Life k. Lumen Maintenance l. Endurance Test <p>With regards to the above mentioned parameters, we would like to inform that the tests/certifications as mandated by MNRE cover all of the above and the certification we are providing as per the application form has all these data points available like Power, Flux, Lighting Intensity, Angular Beam and Luminous Intensity Distribution (Batwing Pattern), Luminary Efficiency etc. CRI and CCT are also mentioned in the same. The other tests are only for LED Lamps/Modules covered under IS 16103 which is not applicable to luminary for solar street light application as mentioned above. This is thus not applicable for the 12 Watt LED Luminaire for solar street lighting application.</p>	<p>Please Refer Revised Registration Form</p>
		<p>EN/IEC 62262: This is covered under the IK 08 Impact Resistance of Casing which is as per the mentioned standard only. Separate testing is thus not needed MNRE specification for White LED Streetlighting system (attached here) do not ask for these IS Standards. Moreover testing (if needed) as per these IS standards require a lead time of more than 45 days and comes at a huge cost which makes it detrimental to MSME bidders who form the bulk of the Solar LED Street Lighting Manufacturers.</p>	<p>No Change</p>
2	Innolia Energy Pvt. Ltd.	<p>Registration fees non refundable clause?</p> <p>3 years manufacturing requirement requirement. Can 2 years startup with JV participate.</p> <p>BIS certificate requirement for Module as per MNRE STC for Street light application.</p> <p>BIS certificate for battery, As per MNRE BIS for cells and erformance test reports for Power's requirement,</p> <p>ISO certificate for environment is it mandatory as no harmful material is used.</p> <p>Clarity on other aspects of light.</p>	<p>No Change</p> <p>Please Refer Revised Registration Form & JV not allowed</p> <p>Please Refer Revised Registration Form</p> <p>Please Refer Revised Registration Form</p> <p>Please Refer Revised Registration Form</p> <p>No Change</p>

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		Provision of credit rating for startup.	Please Refer Revised Registration Form
3	Krishna Power Systems	Time peirod for - required docs?	Revised Notice Extended upto 24.03.2021
		Local office required?	Registered manufacturers should have their local office in Bihar along with Bihar GST.
		Efficiency of luminary 135 LM Watt- any make required? 125 LM Watt- Is BIS certification mandatory/ if we have LM- 79/80/ TM 21. Any wire make and thickness used for light?	Please Refer Revised Registration Form
4	Goodrick Electronics Pvt. Ltd.	Is 16221 (Part 2) particular requirements for is 16221 (Part 1 Inverters) Part 1 also circuits are not used in Solar luminary.	Please Refer Revised Registration Form
		Is 16102 General Lioghting - LED and LED Modules terms & Conditions. No Record found for me lab test.	Please Refer Revised Registration Form
		Is 16102 self ballested LED lamps for general lighting services.	Please Refer Revised Registration Form
		Is 16103 LED Modules for general Lighting.	Please Refer Revised Registration Form
		What is next process after registration how is panchayat involved terms & conditions.	Currently registration of individual manufacturer
		Registration Fee (Non-refundable) is high Need extension Time.	Please Refer Revised Registration Form Revised Notice Extended upto 24.03.2021
5	Amrut Energy Pvt. Ltd.	Is 16221 (Part-2) particular requirement for IS 16221 Inverter. Invester cicruit is nit used in solar luminaire.	Please Refer Revised Registration Form
		Is 16101- General Lighting- LED & LED modules terms & conditions no record found for the test lab.	Please Refer Revised Registration Form
		It 16102- Self ballasted LED lamps for general lighting serives.	Please Refer Revised Registration Form
		Is 16103- LED modules for General lighting is it involved in DC poered solar street light luminaire testing.	Please Refer Revised Registration Form
		After registration what is the process for system integrator registration, do they have to perform test, how is panchayat involved & term of payment.	Currently registration of individual manufacturer
		Extension of dates for reports submission	Revised Notice Extended upto 24.03.2021
		Any assurity of gettting project after paying Non- Refundable Registration Fee.	Please Refer Revised Registration Form
		IS 16221 (Part 2) - Particular Requirements for Inverters The Inverter circuit isn't used in Our Solar Luminaire, the Direct Current produced by the panel isn't converted to Alternating Current as the Luminaire uses Direct current.	Please Refer Revised Registration Form
		IS 16101 - General Lighting - LEDs and LED modules - terms and definitions No Record is found for this for Solar Light Luminaire. Also No Labs are assigned to carry the tests for the same.	Please Refer Revised Registration Form

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		IS 16102 - Self Ballasted LED Lamps for General Lighting Services Ballast isn't involved in our DC powered Solar Street Light Luminaire.	Please Refer Revised Registration Form
		IS 16103 - LED modules for General Lighting not involved in DC powered Solar Street Light Luminaire Testing	Please Refer Revised Registration Form
6	Red Electro Corporation	For Registraion what is the criteira in Breda and which documentation required..	Please Refer Revised Registration Form
		If company is completed 1 years and we have turned over Rs. 3-4 Cr. Is valid for BREDA registration.	Please Refer Revised Registration Form
7	Surya Roshni Ltd.	Can we quote for three types of lights:- a. Light without RMS (Remote Monitoring system like bluettoth/GSM) b. Light with RMS having Bluetooth. C. Light with RMS having GSM Right how we are giving the type A light sample can we submit sample for type B an d type C lights in the same application fees of 2L.	Please Refer Revised Registration Form
		For B and C type of lights, who will provide the APP for health diagnostics, various people having different kinds of APP will be very confusing in system management.	Currently registration of individual manufacturer
		Who will own the correct installation and regular upkeep-what will be done to warranty, if light is defective because of panel or battery. No manufactuerers will agree to provide for replacement.	Currently registration of individual manufacturer
8	Sainik Industries Pvt. Ltd.	Can we submit credit rating report or only certificate is valid.	Only valid Financial Credit Rating certificate
		As per application form of 12 watt lumunaries there is no necessary of 1S-16101, 16102 & 16103.	Please Refer Revised Registration Form
		IS 16270-1S is not required for battery.	Please Refer Revised Registration Form
		Is 16221 (Part-1), Is 16221 (Part-2) are not validated in Luminary.	Please Refer Revised Registration Form
9	Novasys Green Energy Pvt. Ltd.	Registration fee should be around 1 Lacs as it is non refundable.	Please Refer Revised Registration Form
		All modules should be BIS certified.	Please Refer Revised Registration Form
		When tender is supposed to close.	Not Relevent
		When we can expect the orders	Not Relevent
		How much time to complete the project	Please Refer Revised Registration Form
		If production unit of modules is 2 years at that time how can a manufacturer submit 3 years abalancesheet.	Please Refer Revised Registration Form
		Are there any limitation in module production capacity	Please Refer Revised Registration Form
		What is th assurance of getting the order to all the manufacturers empaneled.	Please Refer Revised Registration Form
		Cross checking of billing with installers to stop duplicating the products??	Currently registration of individual manufacturer
10	Rayzon Green	Non- refundable fee should be below Rs. 1 Lac on it very high.	Please Refer Revised Registration Form
		Suppose if we empaneled what is assurance that all the manufacturers who are empaneled will get the order?	Please Refer Revised Registration Form

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10	Energies	All module should be BIS certified order.	Please Refer Revised Registration Form
		How much time it will take to close the project.	Please Refer Revised Registration Form
		What is the limitation of production capacity.	Please Refer Revised Registration Form
11	True vision INC	How can Judge the performance of solar street light system.	Please Refer Revised Registration Form
		Technical specification of solar street lighting system at component level not specified eg. Dirver type/charging type.	Please refer revised registration form
		Mechanical component (Pole, PV mainthing branekt and installation not clear.	Currently registration of individual manufacturer
		There is set of (12 watt/30AH/75 Pv module) specefication of performance so it is better to add test report of enshe best performance of complete street lighting system.	Please Refer Revised Registration Form
12	Devang Solaar	BIS of solar led street light not acceplabe for luminary.	Please Refer Revised Registration Form
		We suggest you kindly take complete system test report from MNRE approved Lab.	Please Refer Revised Registration Form
		Sample should be called for evaluation before registration.	Currently registration of individual manufacturer
		Kindly incorporate (a) CiSPR 15 (b) IP65	Please Refer Revised Registration Form
		R.M.S. should be incorporate in luminary.	Currently registration of individual manufacturer
		Bis acknowledgement of SPV accepted.	Please Refer Revised Registration Form
		We suggest you take mono SPV instead of poly.	Please Refer Revised Registration Form
		Kindly extention of last date of registration.	Revised Notice Extended upto 24.03.2021
We are making luminary, battery & SPV so give to us some discount of registration fee.	Please Refer Revised Registration Form		
13	Crompton Greaves Consumer Electronics Ltd.	Registration fee is for what prupose for 12WFor 12 W Lum if there will be tender, then WHY 2L EMD requirement?	Please Refer Revised Registration Form
		Registration fee for panel 5 lakh battery - 3 lakh same is as above.	Please Refer Revised Registration Form
		If no project exp. of 12W SSL, can we show experience of all in one/ same for prodction capacity.	Please Refer Revised Registration Form
		All warranty clauses will be part of tender bid why is it needed separately?	Please Refer Revised Registration Form
		What atre the project details qty & process of bidding allotment SITC conditions, AMC CMC any clauses.	Currently registration of individual manufacturer

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14	RCRS Innvations Pvt.Ltd.	<p>1. As per 2.1 .2000 cycles test @C/10 required. It will take minimum 4 years 6 month and I think no company in India has complete testing. (So Can we attach cycle report of ours Lithium Iron Phosphate cell Manufacturers.)</p> <p>2. There are no specific guiddines for Thermal Runway test. Please suggest under which is standards should we undergo testing.</p> <p>3. As per Para 2.2 is 16270 is required which is required for Solar photovoltaic application with lead Acid & nickel based battery. This is not required for 12.80 30Ah Lithium based battery.</p> <p>4. We are recognies as a starup by DIPP. So are we eligible to participate in tender without part 3 years financial and experience.</p> <p>5. Which valid rating is required :- SME (MSME) rating or credit (Bank-Loan rating)</p> <p>6. As per your requirement (Para Number 2.2) for Registration/Inclusion of Manufactures of 12.8Volt, 30Ah Lithium Based Battery department requires following IS certificates :- IS 16270 :- IS 16270 is applicable for Solar Photovoltaic Applications with storage batteries of Lead Acid and Nickel based chemistry type. 12.8Volt, 30Ah Lithium Based Battery is not necessary to be certified under IS 16270. So you are requested to please make clear instructions on this point. IS 16046 (Part 2) : 2018 :- This IS Certificate is OK and all Lithium batteries are covered under this certificate. So no clarification required. IS 16047 – Part 3 :- This IS certificate is not mandatory. Is test reports from NABL Lab is sufficient or BIS certificate is required.</p> <p>7. We are a new company having start up registration. So we don't have experience of 3 years and no turnover last 3 years. Is there any minimum requirement criteria for turnover and for experience.</p> <p>8. Is certificate of registration under Factory Act compulsory or MSME Certificate is sufficient.</p>	<p>Please Refer Revised Registration Form</p> <p>It is for just information for scuritisenized the documents</p>
15	Aviva Smart Solution Pvt. Ltd.	Point 2.1 IS 16221 Part 1 & Part 2 : Not applicable for DC Systems.	Please Refer Revised Registration Form
		Point 2.2 IS 16101,16102,16103&16107-LED Lights & Luminaries - Terms & Definitions - Wattage is too low.	Please Refer Revised Registration Form
		Non refundable fee for registration is very higher side, it should be around 0.25 Lacs.	Please Refer Revised Registration Form
		Cross checking to stop the duplicate product.	Currently registration of individual manufacturer
16	KLK venture Pvt. Ltd.	why do you have need IS 16047 (Part)-3	Please Refer Revised Registration Form
		Why do you have funancial criteria.	Please Refer Revised Registration Form
17	Sunflux Products	Non refundable Charges	Please Refer Revised Registration Form
		Fabrication work for structure pole etc.	Currently registration of individual manufacturer
18	Ayush Lighting Pvt. Ltd.	• BIS certification is not required for luminary also.	Please Refer Revised Registration Form
		• Balance sheet also required for last three year in all tender.	Please Refer Revised Registration Form
		1. Who will atend complaint in case of failure of system (LED Luminiare Comp, Battery comp or SPV Comp)	Currently registration of individual manufacturer

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19	Syska LED Light	2. Who will install the lights at panchayat or district level?	Currently registration of individual manufacturer
		3. What is the process or registration for the contractor.	Currently registration of individual manufacturer
		4. From when it is expected to start.	Currently registration of individual manufacturer
		5. Any possibility of using integrated module also.(ALL IN ONE)?	Not Relevent
20	Jaiswal Battery Services	Over all criteria of Supply	Currently registration of individual manufacturer
21	Gavit star engineering	Power converters for use in Photovoltaic power system Is 16221 (Part 1), Is 16101 , IS 16102, IS 16103, IS 16221 (Part 2) Not require for Lunimary. These certification for Inverters other as per MNRE guidelines.	Please Refer Revised Registration Form
		BIS/Certification (Both require or only certification is valid kindly clarify).	Please Refer Revised Registration Form
		Document submission date kindly extend for 15 days.	Revised Notice Extended upto 24.03.2021
22	Aaditya techtronics Pvt. Ltd.	IS 16102, 16103,16107 and IEC 61547 certificate is use for led bulbs/down light is it necessary for Luminaires.	Please Refer Revised Registration Form
		We have BIS certificate between 15 W to 300 W if we are applying for 12W luminaries,. Can we apply for 12W application.	Please Refer Revised Registration Form
		ERDA (testing lab) test report valid for 12W luminaires.	Please Refer Revised Registration Form
		Registration free relaxation for luminaries up to 50,000 is if possible.	Please Refer Revised Registration Form
		Financial rating certificate is it important.	Please Refer Revised Registration Form
23	Prashant solar	The ministry of Renewable energy (MNRE) has extended the exemption for the Bureau of Indian standards BIS certification of solar module manufactures with production less than 50 MW.	Please Refer Revised Registration Form
		Is BIS certification? I have all the IEC certification, could you please help me regarding this? It was mention an the Govt. azete of India upto 50 MW.	Please Refer Revised Registration Form
		Whethers IS14286 part 2: 2018 as equivalent to IEC 61215-2:2016	Please Refer Revised Registration Form
		Luminaries battery +Module all are together or separate-separate will be there.	Please Refer Revised Registration Form
		In MNRE approved NABL lab certification are required from this lab only.	Please Refer Revised Registration Form
		Does the luminaries has compatibility with as GSM/GPRS will the technical data sheet will be given and on which parameter does circuit.	Please Refer Revised Registration Form
24	Sunlight	Registration process and payment time zone.	Revised Notice Extended upto 24.03.2021
		Company representative should be Authorised Signtory or company can authorise some one for biding process.	Please Refer Revised Registration Form
25	LOKOZO technologies PVT. LTD.	We have few of the certification in query but we are submitting like following certificates we are not having i) IS16101 ii) IS16102 iii) IS16103 iv) IS16107 V) IK 08 & Radiation emission test.	Please Refer Revised Registration Form

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26	Dudwa power Industrices	Test certificates should be asked as per MNRE along with complete report.	Please Refer Revised Registration Form
		Local GST and registured office for next 5 year should be made mandatory in this tender for better service support.	Registered manufacturers should have their local office in Bihar along with Bihar GST.
		As per the industry policy of the state is there any preference to the local manufacturer?	As per Bihar Industrial Policy
		IS 16221 (Part 1&2 not applicable)	Please Refer Revised Registration Form
		IS 16201, IS 16102, IS 16103 is not mandatory.	Please Refer Revised Registration Form
		BIS is not applicable in case of luminiary.	Please Refer Revised Registration Form
27	Voltaic power Pvt. Ltd.	Need clarification over following points convertor. IS 16221 (Part1) IS 16221 (Part 2)	Please Refer Revised Registration Form
		Luminary IS 16101/16102/16103 not required for luminary.	Please Refer Revised Registration Form
28	Havells India limited	For 12 w solar street light system Breda asked separate registration of battery, solar panel and light littng. But practically solar street light system is a solution and due to BMS required proper synchronlzation ot battery with light fitting, also due to separate supplier of battery, paneland lightlittingthan ownership of entire system willone ofthe constraint.	Please Refer Revised Registration Form
		Also due to separate component registration, Post service will be one of the constraint because due to different supplier of each component of solar system.	Currently registration of individual manufacturer
29	GKM Energy Pvt Ltd	IS 16221 Part 1 and IS 16221 Part 2: These BIS refer to standards to be followed by Solar Inverters and are not related to luminaries. The 12 Watt Luminaire doesn't utilize/use power converter or inverter. So not applicable for the 12 Watt LED Luminaire for solar street lighting application.	Please Refer Revised Registration Form
		IS 16101: This is not a standard, but only specifies terminologies that are used in other IS standards like IS 16102/16103/16107. So it not applicable for 12 w solar street light luminaries.	Please Refer Revised Registration Form
		IS 16102: This standard applies to Self-Ballasted LED Lamp.	Please Refer Revised Registration Form
		IS 16103: The scope of the same covers a. LED Modules without integral control gear for operation under constant voltage, constant current or constant power. b. Self Ballasted LED Modules for use on dc supplies upto 250V or ac supplies upto 1000V at 50 hz so it is applicable for the 12 Watt LED Luminaire for solar street lighting application.	Please Refer Revised Registration Form
		IS 16107: This standard applies to LED Luminaries for general lighting purpose .so it is also not more necessary.	Please Refer Revised Registration Form

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		EN/IEC 62262: This is covered under the IK 08 Impact Resistance of Casing which is as per the mentioned standard only. Separate testing is not needed. As per Another PSU /SNA not asking for these certification and these IS standards. if we go through the these certification it will take more time to issuance of these certificate and huge fee.	Please Refer Revised Registration Form
		QUERIES FOR LIGHT REGISTRATION:- CERTIFICATON DETAILS QUERIES 1 IS-16101(Mentioned in Clause 2.2) This Certification was used for general lighting 2 IS-16102(Mentioned in Clause 2.2) This Certification was used for the LED Bulb 3 IS-16103(Mentioned in Clause 2.2) This Certification was used for LED module(used in Automobiles) All the above mentioned Certifications was not applicable for the Solar Luminary	Please Refer Revised Registration Form
		QUERIES FOR BATTERY REGISTRATION:- IS-16270 Mentioned in the Clause 2.2 These required test reports are only Applicable for LEAD ACID BATTERIES	Please Refer Revised Registration Form
30	Shomi Libatt Private Limited	Sub: Request for exemption of turnover for application of manufacturers of 12.8 volt 30ah Lithium based battery. With reference to above subject we hereby intersted in registration for supply of 12.8Volt 30ah lithium based battery and regarding same would request you to grant us waiver in term no. 8 of checklist of documents as our company just got registeredd on 29/10/2020 and still not completed 5 years and hence donot meet the criteria.	Please Refer Revised Registration Form
31	Patanjali Renewable Energy Pvt Ltd	Point no.-6. Financial rating certificate awarded by Credit Rating Agency (CRA) is required where agency named are India Ratings and Research Pvt. Ltd., ICRA Ltd., CARE, Brickwork Ratings India Pvt. Ltd., SMERA Ratings Ltd. & Info metrics Valuation and Rating Pvt. Ltd. is given. But our Credit Rating has been awarded by ACUITE; Credit Rating Agency. So the ACUITE awarded Credit Rating Agency (CRA) sufficient? "OR" we have to get the Credit Rating from only listed agencies. Also is there any other rating or grading needed, please let us know.	Please Refer Revised Registration Form
		As per requirement (Para 2.4) Performance Certificate is required. To fulfill this requirement can we attach Performance Certificate of 200Wp PV Modules. Please confirm us.	Please Refer Revised Registration Form

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32	Eternity Power Solutions Pvt. Ltd	<p>As per your uploaded application for registration of Products, i.e. 75Wp Solar PV Modules, 12.8Volt 30Ah Lithium Based Battery & 12Watt LED Luminaries from the reputed manufacturers for Two (2) years for installation of products under “Mukhyamantri Gramin Solar Street Light Yojana”, following are the required parameters in Light registration.</p> <p>IS 16101 General Lighting - LEDs and LED modules – Terms and Definitions IS 16102 Self-Ballasted LED Lamps for General Lighting Services IS 16103 Led Modules for General Lighting IS 16107 Luminaires Performance IEC 61547 ESD (Electro Static Discharge) and Radiated susceptibility test IK> 08- Impact resistance of casing EN/ IEC 62262 Impact Testing - Electrical Safety Testing</p> <p>The average illuminance level and uniformity should comply with requirement as per IS 1944, Radiation emission test-as per CISPR-15 LM80/TM 21 report Lumen Depreciation of LED Chip IES LM79:2008 or IS 16106:2012 reports Photometric and Electrical characteristics 10322 Part -5 sect 3, IEC 60598-2-3 Luminaires: Part 5 particular requirements: Sec 3 luminaires for road and street lighting.</p> <p>For the same we would like to bring to your kind notice that, Some of the parameters are for AC based lights (Not for Solar) and hence we kindly request you to remove these parameters.</p>	Please Refer Revised Registration Form
		As MNRE (Ministry of New and Renewable Energy) has already provided their own specs for this system so kindly request you to please consider MNRE lab test reports valid for this system. (Annexure 1) Hope you will consider our sincere application.	Please Refer Revised Registration Form
33	Luker India	<p>What type of certificates required for LED light as BIS is not applicable for solar LED light.</p> <p>Is there any certificates specification for LED chip</p> <p>What is the responsibility of LED light manufacturer.</p> <p>Is Solar panel , LED and battery are integrated ?</p> <p>Certificates required are BIS or MNRE.</p> <p>what may be quantity of solar light and what are time period of supplying LED light.</p>	<p>Please Refer Revised Registration Form</p> <p>Please Refer Revised Registration Form</p> <p>Currently registration of individual manufacturer</p> <p>Please Refer Revised Registration Form</p> <p>Please Refer Revised Registration Form</p> <p>Currently registration of individual manufacturer</p>
		Below are our queries regarding registration of 12W Luminaires: IS16221 standard for power converter cannot be applicable to the luminaire as power converter is not the part of solar luminaires.	Please Refer Revised Registration Form

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34	Orbel Electronics (India) Pvt. Ltd	IS16101 and IS16103 still no scope of testing has been finalised by the Bureau of Indian Standards itself.	Please Refer Revised Registration Form
		IS16102 is not related to street lights but related to led bulbs.	Please Refer Revised Registration Form
		IS16107 and IK>08 is covered in IS10322(Part5/Sec3).	Please Refer Revised Registration Form
		IS61547, CISPR-15 and IEC62262 are also not related to solar street luminaire.	Please Refer Revised Registration Form
35	LeSol City LLP	In section 2.1 - IS16221 (Part 1 & Part 2) - It is not required for LED luminaires, so please clarify the same and advise.	Please Refer Revised Registration Form
		In section 2.2 - IS16101, IS16102, IS16103, IS16107 - These are mainly for LED bulbs and LED tube lights or any other self ballasted LED lamps. These are not required for LED street lights. Please clarify	Please Refer Revised Registration Form
		Request you to decrease the Non - Refundable fees of 2 Lakh to Rs. 50,000 for LED luminaires manufacturers.	Please Refer Revised Registration Form
		Will NABL accredited lab test report for 12 W street light be accepted instead of BIS certificates?	Please Refer Revised Registration Form
		Do we need a credit rating report from a third party agency ?	Please Refer Revised Registration Form
36	Nirav Dhamelia	In section 2.1 - IS16221 (Part 1 & Part 2) - It is not required for LED luminaires . Please clarify.	Please Refer Revised Registration Form
		In section 2.2 - IS16101, IS16102, IS16103, IS16107 - These are mainly for LED bulbs and LED tube lights or any other self ballasted LED lamps. These are not required for LED street lights. Please clarify.	Please Refer Revised Registration Form
		Request you to decrease the Non - Refundable fees of 2 Lakh to Rs. 50,000 for LED luminaires manufacturers.	Please Refer Revised Registration Form
		Will NABL accredited lab test report for 12 W street light be accepted instead of BIS certificates?	Yes, Please Refer Revised Registration Form
		We have applied for BIS certification for 12 Watt (Although we already have IS 10322 for 15W street lights to 300W street lights. Will BIS application acknowledgement or receipt be acceptable if the BIS certificate doesn't before the registration deadline?	Please Refer Revised Registration Form
37	Switcher	2.1 Power converters for use in photovoltaic power system Safety of Power Converters for use in Photovoltaic Power Systems IS 16221 (Part 1) General Requirements IS 16221 (Part 2) Particular Requirements for Inverters. These test for hybrid inverter and hybrid street lights so that kindly conform if the test done for 12w street light then which parameters have to follow?	Please Refer Revised Registration Form
		Other all standards are ok but have to put one more standard IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-30, IEC 60068-2-14 because street light will install outdoors so that we have to ensure dry heat, damp heat rapid change of temperature, cold tests are required so please put this standard.	Please Refer Revised Registration Form

Reply of Pre-Registration Queries for Products Registration of Solar Street Light

Sl.No	Name of Company	Queries	BREDA's Clarification
		Copy of valid financial rating certificate awarded by Credit Rating Agency (CRA) as mentioned below: India Ratings and Research Pvt. Ltd., ICRA Ltd., CARE, Brickwork Ratings India Pvt. Ltd., SMERA Ratings Ltd. & Infometrics Valuation and Rating Pvt. Ltd, we want to know what types of rating required like financial rating, solar grading, SME rating kindly conform.	Please Refer Revised Registration Form
38	Energy United India Pvt. Ltd.	In section 2.1 - IS16221 (Part 1 & Part 2) - It is not required for LED luminaires . Please clarify.	Please Refer Revised Registration Form
		In section 2.2 - IS16101, IS16102, IS16103, IS16107 - These are mainly for LED bulbs and LED tube lights or any other self ballasted LED lamps. These are not required for LED street lights. Please clarify.	Please Refer Revised Registration Form
		Request you to decrease the Non - Refundable fees of 2 Lakh to Rs. 50,000 for LED luminaires manufacturers.	Please Refer Revised Registration Form
		Will NABL accredited lab test report for 12 W street light be accepted instead of BIS certificates?	Yes, Please Refer Revised Registration Form
		Also, please specify the exact list of BIS certification / Test reports required for empanelment?	Please Refer Revised Registration Form
		Is financial credit rating mandatory for empanelment?	Please Refer Revised Registration Form
		Are there any provisions / preferences for manufacturers based out of bihar (Local manufactures) for LED street light ? Please clarify	As per Bihar Industrial Policy
39	Inixy Power solutions P Ltd	IS 16102 are related self blast luminary for lamp.	Please Refer Revised Registration Form
		IS 16101/16107 are related also AC street light.	Please Refer Revised Registration Form
		Clarified about minimum eligibility criteria of net worth & turnover.	Please Refer Revised Registration Form
		Please clarify about the ISO Accreditation agency.	Please Refer Revised Registration Form
40	SURYA INTERNATIONAL	Moreover, we are qualifying the eligibility criteria mentioned in the document. But unfortunately in the short period of time we are unable to collect some test report. Hence, we request you to kindly consider the above matter and extend the date up to 1 month and allow us to participate in this tender.	Please Refer Revised Registration Form
		IS 16221 (Part 1) General Requirements No Lab offers this general certificate. We can give self-declaration based on our manufacturing process. Is that acceptable?	Please Refer Revised Registration Form
		IS 16221 (Part 2) Particular Requirements for Inverters. This certificate is not applicable for solar street light. So, kindly remove it from required certificates.	Please Refer Revised Registration Form
		IS 16101 General Lighting - LEDs and LED modules –	Please Refer Revised Registration Form
		IS 16102 Self-Ballasted LED Lamps for General Lighting Services This certificate is not applicable for Solar Luminaire. So, kindly remove it from the required certificate list	Please Refer Revised Registration Form
		IS 16103 Led Modules for General Lighting No Lab offers this general certificate. We can give self-declaration based on our manufacturing process. Is that acceptable?	Please Refer Revised Registration Form

Reply of Pre-Registration Queries for Products Registration of Solar Street Light

Sl.No	Name of Company	Queries	BREDA's Clarification
41	Nessa Illumination Technologies Pvt Ltd	<p>IS 16107 Luminaires Performance No Lab offers this general certificate. We can give self-declaration based on our manufacturing process. Is that acceptable?</p> <p>IEC 61547 ESD (Electro Static Discharge) and Radiated susceptibility test This certificate is not applicable for Solar Luminaire. So, kindly remove it from the required certificate list.</p> <p>Radiation emission test-as per CISPR-15 This certificate is not applicable for Solar Luminaire. So, kindly remove it from the required certificate list.</p> <p>Details 12 Watt Luminaries Certifications Is the battery required to be built-in or external? Kindly clarify.</p> <p>In case it is built-in, then allow luminary manufacturers to supply luminary with built-in battery.</p> <p>Payment of Application Fee Kindly clarify, whether Application Fee payment in the form of Demand Draft (DD) only or E-Payment directly into BREDA Bank • Account as per bank details provided under S. No. 4.0 is acceptable. Kindly clarify.</p> <p>Payment of Registration Fee Kindly clarify, whether Registration Fee payment is applicable for Applicant Manufacturers of 12 Watt LED luminaires or not.</p> <p>In case applicable then, kindly clarify, whether payment in the form of Demand Draft (DD) only or E-Payment directly into BREDA Bank Account as per bank details provided under S. No. 5.0 is acceptable. Kindly clarify.</p> <p>Certificate of the Chartered Accountant Firm (On the Letter Head of the Firm) Kindly clarify, Format- 3 to be printed on Letter Head of Chartered Accountant Firm or Letter Head of Applicant Manufacturer of LED Luminaire's Firm. Kindly clarify.</p> <p>Copy of valid financial rating certificate awarded by Credit Rating Agency (CRA) Kindly clarify, credit rating on what basis i.e. turnover basis or product basis, etc Kindly clarify.</p>	<p>Please Refer Revised Registration Form</p> <p>Please Refer Revised Registration Form</p> <p>Please Refer Revised Registration Form</p> <p>Please Refer Revised Registration Form</p> <p>Please Refer Revised Registration Form</p> <p>Please Refer Revised Registration Form</p> <p>Please Refer Revised Registration Form</p> <p>Please Refer Revised Registration Form</p> <p>Please Refer Revised Registration Form</p>
	Custom Solar	<p>In reference to the above mentioned subject we have following queries: There are many certifications mentioned in the application form which is not relevant please clarify: For the Solar Street Light Luminaires:</p> <ul style="list-style-type: none"> · IS 16221 (Part 1) General Requirements · IS 16221 (Part 2) Particular Requirements for Inverters. · IS 16101 General Lighting - LEDs and LED modules – Terms and Definitions · IS 16102 Self-Ballasted LED Lamps for General Lighting Services · IS 16103 Led Modules for General Lighting 	<p>Please Refer Revised Registration Form</p>

Reply of Pre-Registration Queries for Products Registration of Solar Street Light

Sl.No	Name of Company	Queries	BREDA's Clarification
42	Gautam Solar Private Limited	<p>Above mentioned standards is not applicable for Solar Street Lighting Systems</p> <p>For LiFePo4 Battery:</p> <ul style="list-style-type: none"> · IS 16270 <p>Mentioned standard is applicable for lead acid and nickel based chemistry type batteries.</p> <p>So we request you to please remove above mentioned standard as these are not relevant for the required type of product.</p> <p>Also, we request you to allow bidders to submit the application for Battery and Luminaire without BIS registration certificate, further bidder should submit the undertaking stating that before releasing final empanelment letter from BREDA bidder has to submit the BIS registration certificate otherwise empanelment will be cancelled.</p>	Please Refer Revised Registration Form
43	Halonix Technologies Pvt. Ltd.	<p>By this letter we would like to bring your attention towards following points for 12W LED Luminaires requirements being OEM manufacturer of lighting products and system integrator for solar product with battery and PV panels. We requested you to consider only Indian manufacturer for 12W LED Luminaires whose having in-house manufacturing and testing facilities duly NaBL accredited to give you assurance of 100% testing of led luminaires during manufacturing as per BIS standard as demanded by you like IS10322, LM79, IK, IP65, IS16101, IS16102 , IS 61547 and other as applicable. By consider Indian manufacturer whose having in-house NaBL accredited testing facility can only shows all testing and assurance of robustness of products.</p>	Please Refer Revised Registration Form
		<p>We also request you to please consider only OEM Lighting manufacturer whose having capacity to execute large quantity products in short duration. Further we request you to visit the manufacturer facility prior to grant the approval</p>	Please Refer Revised Registration Form
44	SPJ Solar Technology Pvt. Ltd	<p>As per Page No. 1 Clause 2.1 IS 16221 Part 1 and Part 2 test report is asked which is not required in case of Solar street light the above test is only applicable for Inverters.</p>	Please Refer Revised Registration Form
		<p>Kindly confirm if NISE test report for 12W is sufficient for general LED modules for general lighting and we further have IS 10322 Part 5, IEC 61347, IEC 61547, IEC 62384, IP rating, LM-79.</p>	Please Refer Revised Registration Form
		<p>As per format-6 clause 3 kindly confirm what documents need to be provided in support of exemption for registration under factory Act as we have voluntary availed ESIC and EPFO facility for our workers and we have less than 10 workers.</p>	Please Refer Revised Registration Form
		<p>As per format-6 clause 6 kindly confirm if MSME type financial rating is acceptable.</p>	Please Refer Revised Registration Form
		<p>What shall we offer as per format-6 clause 18, 19, and 20 If we have both option in 12 W luminary i.e with or without Health monitoring/GSM/GPRS/Bluetooth</p>	Please Refer Revised Registration Form

Reply of Pre-Registration Queries for Products Registration of Solar Street Light

Sl.No	Name of Company	Queries	BREDA's Clarification
		<p>IS 16221 Part 1 and IS 16221 Part 2: These BIS refer to standards to be followed by Solar Inverters and are not related to luminaries. And 2 Watt Luminaire is not utilized as power converter or inverter. This is thus not applicable for the 12 Watt LED Luminaire for solar street lighting application.</p>	<p>Please Refer Revised Registration Form</p>
		<p>IS 16101: This is non standard Certification, but only specifies terminologies that are used in other IS standards like IS 16102/16103/16107. This is thus not applicable for the 12 Watt LED Luminaire for solar street lighting application.</p>	<p>Please Refer Revised Registration Form</p>
		<p>IS 16102: This standard applies to Self Ballasted LED Lamp. it defines as “Dismantling will lead to permanent damage “, provided with a lamp cap and incorporating a LED Light Source”. Please note that luminaries used in solar street lighting operations do not fall under this purview as:</p> <ul style="list-style-type: none"> a.It is not a self ballasted lamp b.It can be dismantled without any permanent damage c. There is no Lamp Cap but a protective glass casing/lens system physically attached to an Aluminium PDC body using clamps/screws d. It is a modular device where in each sub component including mechanical body/assembly, driver card, metal core lens card etc is completely removable <p>This is thus not applicable for the 12 Watt LED Luminaire for solar street lighting application.</p>	<p>Please Refer Revised Registration Form</p>
		<p>IS 16103: The scope of the same covers</p> <ul style="list-style-type: none"> a. LED Modules without integral control gear for operation under constant voltage, constant current or constant power. b. Self Ballasted LED Modules for use on dc supplies upto 250V or ac supplies upto 1000V at 50 hz <p>Since the 12 Watt LED Luminaire is inherently driven by a driver control card which provides constant voltage and constant power. This is thus not applicable for the 12 Watt LED Luminaire for solar street lighting application.</p>	<p>Please Refer Revised Registration Form</p>

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Sl.No	Name of Company	Queries	BREDA's Clarification
45	Prostarm Infosystems Ltd	<p>IS 16107: This standard applies to LED Luminaries for general lighting purpose and covers operational performance of the same as follows:</p> <ol style="list-style-type: none"> 1Marking 2Luminaire Power 3Lighting Intensity 4Angular Beam Distribution 5Luminaire Intensity Distribution 5Luminary Efficacy 6Chromaticity CCT 7Colour Rendering Index CRI 8Life 9Lumen Maintenance 10Endurance Test <p>With comply to the above mentioned parameters, and inform that the tests/certifications as mandated by MNRE cover all of the above and the certification in clause as application form has all these data points available like Power, Flux, Lighting Intensity, Angular Beam and Luminous Intensity Distribution (Batwing Pattern), Luminary Efficiency etc. CRI and CCT are also mentioned in the same. The other tests are only for LED Lamps/Modules covered under IS 16103 which is not applicable to luminary for solar street light application as mentioned above. This is thus not applicable for the 12 Watt LED Luminaire for solar street lighting application.</p>	Please Refer Revised Registration Form

Reply of Pre-Registration Queries for Products Registration of Solar Street Light

Sl.No	Name of Company	Queries	BREDA's Clarification
		<p>EN/IEC 62262: This is covered under the IK 08 Impact Resistance of Casing which is as per the mentioned standard only. Separate testing is thus not needed MNRE specification for White LED Street lighting system (attached here) IS Standards is not mandatory. Moreover testing (if needed) as per these IS standards require a lead time of more than 45 days and comes at a huge cost which makes it detrimental to MSE bidders who form the bulk of the Solar LED Street Lighting Manufacturers.</p> <p>Thus, we would request you to consider us to participate for empanelment with only certifications as required by MNRE since the above standards do not apply to Solar LED Street Lighting Applications. Moreover, the same are not mandated by MNRE in their specification.</p> <p>with reference to the caption subject during Prebid that has been held successfully on 10th Feb 2021 at BREDA Office with various questions/Queries and submissions being raised with potentially interested bidders.</p> <p>Since BREDA the raised queries will take own duration for updating suitable corrigendum, in view of the same, you are requested to extend the due date for submission of documents for empanelment for a minimum period of 15 days so that BREDA's corrigendum related reply can be arranged for the empanelment process be done accordingly.</p> <p>You are also requested to flash corrigendum on the website for easy viewing by all interested bidders.</p> <p>Your immediate response will be highly appreciated on our request for extension</p>	<p>Please Refer Revised Registration Form</p>
46	SARV Manglam Traders	<p>As per your requirement (Para Number 2.2) for Registration/Inclusion of Manufactures of 12.8Volt, 30Ah Lithium Based Battery department requires following IS certificates :-</p> <p>1. IS 16270 :- IS 16270 is applicable for Solar Photovoltaic Applications with storage batteries of Lead Acid and Nicle based chemistry type.</p> <p>12.8Volt, 30Ah Lithium Based Battery is not necessary to be certified under IS 16270.</p> <p>So you are requested to please make clear instructions on this point.</p> <ul style="list-style-type: none"> • IS 16046 (Part 2) : 2018 :- This IS Certificate is OK and all Lithium batteries are covered under this certificate. So no clarification required. • IS 16047 – Part 3 :- This IS certificate is not mandatory. Is test reports from NABL Lab is sufficient or BIS certificate is required. 	<p>Please Refer Revised Registration Form</p>
		<p>We are a new company having start up registration. So we don't have experience of 3 years and no turnover last 3 years. Is there any minimum requirement criteria for turnover and for experience.</p>	<p>Please Refer Revised Registration Form</p>
		<p>Is certificate of registration under Factory Act is compulsory or MSME Certificate is sufficient.</p>	<p>Yes, Please Refer Revised Registration Form</p>
		<p>Is valid rating certificate compulsory ?</p>	<p>Please Refer Revised Registration Form</p>

Reply of Pre-Registration Queries for Products Registration of Solar Street Light

Sl.No	Name of Company	Queries	BREDA's Clarification
47	Sonalika Green Energy Pvt. Ltd.	would like to know which type of raiting as you require, SME Raiting Bank Lone Raiting (BLR) MNRE Grading Pls confirm looking forward for your revert,	Please Refer Revised Registration Form
48	SolarBull Energy LLP	1.2 LED Lights & Luminaires (12Watt) IS 16101 General Lighting - LEDs and LED modules – Terms and Definitions IS 16102 Self-Ballasted LED Lamps for General Lighting Services IS 16103 Led Modules for General Lighting IS 16107 Luminaires Performance IEC 61547 ESD (Electro Static Discharge) and Radiated susceptibility test IK> 08- Impact resistance of casing EN/ IEC 62262 Impact Testing - Electrical Safety Testing The average illuminance level and uniformity should comply with requirement as per IS 1944, Radiation emission test-as per CISPR-15 LM80/TM 21 report Lumen Depreciation of LED Chip IES LM79:2008 or IS 16106:2012 reports Photometric and Electrical characteristics 10322 Part -5 sect 3, IEC 60598-2-3 Luminaires: Part 5 particular requirements: Sec 3 luminaires for road and street lighting. Against above : we have Latest LM79 Report. Is it sufficient ? or other reports are also required ?	Please Refer Revised Registration Form