

The reply to the queries/suggestions received in JREDA against NIB No.
30/JREDA/BEE/SLS(LED)/2013-14

Sr. No.	Queries	JREDA Reply
1.	<p>Suresh [mailto:sureshgmcorp@avnienergy.com]</p> <ul style="list-style-type: none"> • Luminaire should be made of 3-4 light modules with 3-4 individual drivers (one drive per module)- Several Led manufacturers produce luminaires that are of single module single drive type and otherwise meeting other specifications. For a change in design to the type proposed, the manufacturer would have to spend substantial amount in tooling and dies, which are expensive and which will have a life in excess of 50,000 nos. This description will favour only manufacturers who already have such design. Hence all designs that meet otherwise the specifications may be permitted. 	Two modules along 3-4 modules will a also be acceptable
	<ul style="list-style-type: none"> • Against the various IS standards specified for luminaries, we usually produce LM 79 reports and IP 65 reports and LM 80 reports LEDs. Are any other test certificates expected ? 	As per NIT
	<ul style="list-style-type: none"> • Usually the manufacturer gets the installation done by licensed contractors and the electrical license of contractor shown. Jreda may also permit this type of arrangement. Similarly it is requested the tenderer can use the services tax registration number of their sub contractor. 	Not applicable
	<ul style="list-style-type: none"> • Test reports shall be less than a year old.(page 26)- Type tests are fairly expensive and therefore we request that test reports up to 2 years can be considered. 	There is no used to change
	<ul style="list-style-type: none"> • LED LAMP, Driver, chip must be from same manufacturer. (page 9)- This may not be possible as all Luminary manufacturers buy LEDs from Nichia / OSram / Philip Lumileds etc ; Drivers may be self made or outsourced. Similarly the fixture is usually outsourced. If there is some other meaning to this statement, it may be explained. 	Clouse no. 15 of eligibility criteria is being deleted as per discussion in Pre-bid meeting
	<ul style="list-style-type: none"> • CST/VAT/PAN/TAN – should belong to Jharkhand State. (page 8)- Kindly inform whether PAN, TAN for Bangalore address will be valid ? can we obtain Jharkhand CST /VAT in case we are successful or we are required to enclose copies of these along with tender documents ? 	Tender will have to submit the current available valid VAT/CST, However, they will have to submit Jharkhand VAT at after award of the work
	<ul style="list-style-type: none"> • In house testing laboratory- (page 9)- We have in house laboratory/instruments for acceptance tests. However for type tests or where costly instruments such as gonio photometer, integrating sphere etc are required services of 3rd party Labs are utilized. Kindly confirm the same is acceptable. 	Clamed 2.1 (k) of eligibility criteria should be read along with clause 18 of eligibility criteria
	<ul style="list-style-type: none"> • Specify item original manufacturer of SPV module / electronics/ Battery- (attach copy of registered certificate of industry dept – (page 32)- is the tenderer expected to be original manufacturer of SPV module / electronics / Battery ? 	Not related with this tender

2.	<p>Philips Electronics India limited 7, justice Chandra madhab road, Kolkata-700020 Tel : 91-33-2486 7621-7624 Fax : 91-33-2486 8318</p> <ul style="list-style-type: none"> • LED ARRAY Wattage-90W. (Please keep tolerance of +/- 10 percent. As its difficult to maintain precise 90 watts for all bidders.) 	LED Array wattage may reed as 90W ± 5%
	<ul style="list-style-type: none"> • Total system Wattage < Rated Wattage X 1.15. (On what basis 11.0% increment has been taken as system losses. It should be 10 % to get an efficient electrical system to give fair chance to all bidders. 	No change is required
	<ul style="list-style-type: none"> • LED Efficacy > 120 lumens / watt : Why Chip level efficiency is checked, when we are supplying LED luminaire and not bare LED Chip, system Efficacy can be kept as >75 lumens/watt to give fair chance to all bidders. 	Not required to change
	<ul style="list-style-type: none"> • Uniformity Ratio >0.4 : (What uniformity ratio is it ? as per IS1944 Uniformity (min/avg)>=0.40 Uniformity (min/max)>= 0.33 Also please specify the lux level requirement, which is mandatory to choose the light luminaire. 	As per ISI will be applicable
	<ul style="list-style-type: none"> • Total Lumen output > 9200 lumens. (Will it be a LED lumen output ? Or System lumen output ? (if it depends upon the LED lumen output only, then carry out same testing at NABL accredited laboratory. 	It is total lumen output of the system
	<ul style="list-style-type: none"> • Bidder or his principal shall have the Testing facility to carry out all acceptance test on lot prior to dispatch as per LM 79 or should arrange to carry out same testing at NABL accredited laboratory. 	Please refer clause of 2.1 (k) of Eligibility criteria.
	<ul style="list-style-type: none"> • Bidder should have testing facility to carry out testing as mentioned in BIS, the laboratory should be NABL accredited. 	-do-
	<ul style="list-style-type: none"> • Applicable standards- tender says “ material should confirm to following Indian standard specifications. This is simple statement does not help anyone. It should be conclusively establish that material being offered is meeting following standards (provide documentary evidence-test reports from NABL lab), and also the capability of bidder or his principal to test luminaires in NABL laboratory as per BIS specs. 	Approved test lab should be NABL accredited
	<ul style="list-style-type: none"> • Bidder to provide documentary evidence while submitting bid in form of test reports from NABL accredited laboratory that product offered meets the BIS specifications. And bidder to have capability to get the material tested as per Acceptance test in NABL laboratory. 	-Same as above
	<ul style="list-style-type: none"> • Tender calls for various parameter against which bidder can submit his product features. However in case of streetlight more important is the ability of luminaire to provide required illumination. 	BIS will be applicable
	<ul style="list-style-type: none"> • Tender should ask for the illumination level calculation using the IES photometry file of luminaire offered for following parameter to evaluate the product performance. Average illumination level for main carriageway must be >15 Lux. 	Product perform will be required to demonstrate

	<ul style="list-style-type: none"> • Color temperature >6000K 9 (Ideally it should be 5000K-6000K as the fixed color temperatue cannot be obtained by all the manufacturers. It varies according to LED Chips procured. Or it can be written as 6000K (+/-350) 	May be read as 5500-6500
	<ul style="list-style-type: none"> • Please also consider to remove point of using four drivers in one luminaire to run four modules individually. 	Please refer above
	<ul style="list-style-type: none"> • Also ask physical road parameters of road width, pole height, pole spacing, bracket tilt, bracket length to submit Lux level calculations. 	Bidders are required to quote their rate after visiting site.
	<ul style="list-style-type: none"> • Lighting calculations the luminaire should confirm semi cut off category. 	
3.	LED manufacturer will be the same for LED Lamp, fitting Driver & LED chips, whether particular clause is strongly applicable or any relaxation may be possible ?	Clause 15 deleted

Sd/-
Director,
JREDA, Ranchi