

Bid Document

Bid Details	
Bid End Date/Time	25-10-2019 11:00:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	75 (Days)
Ministry/State Name	Ministry Of Defence
Department Name	Department Of Defence Production
Organisation Name	Hindustan Aeronautics Limited (hal)
Office Name	Hal Fmd Imm
Total Quantity	799
Item Category	LED Lamps- bulb
MSE Exemption For Years Of Experience And Turnover	Yes
Startup Exemption For Years Of Experience And Turnover	Yes
Document required from seller	OEM Authorization Certificate
Bid to RA enabled	No

LED Lamps- Bulb (799 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
GENERIC	LED LAMP Power Ratings/LED Lamp Luminous Flux	9Watt / 900 lumens	9Watt / 900 lumens
	Colour Temperature (K)	5700	5700
	Type of Lamp CAP	B22d	B22d
	Warranty for free replacement (Years)	5 Years	5 Years
	Conformity to Indian Standard	IS:16102 part I and Part II latest	*

FUNCTIONAL	LAMP Efficacy (Lm/W)	>/=100	*
	LED Chip Efficacy (Lm/W)	>/=130	*
	Colour Rendering Index(CRI)	>/=80	*
	Beam Angle (Degree)	>/=120	*
	Power Factor	>/=0.9	*
	Total Harmonics (%)	</=15	*
	Driver Efficiency (%)	>/=85	*
	LED chip Wattage (Watt)	</=1	*
	Surge Voltage withstand (KV)	2.5	*
	Operating Voltage range (Volts)	100 Volt to 300 Volt	*
	Rated Voltage for Performance and life (Volts)	220 Volt to 240 Volt	*
	Lumen maintenance @ 25 deg after 6000 hours (%)	>/=80	*
CONSTRUCTIONAL	Light Source (as per LM80 or IS16106)	-	*
	LED Make	-	*
	Light Source (as per LM80/IS16106)	SMD LED Chip	*
	Lamp Shell material	Polycarbonate	*
	Ingress Protection in IP	>/=20	*
TEST REPORT AND CERTIFICATIONS	LED life Certificate for 25000 hrs as per LM80	Yes	*
	LED life test Certificate No.	-	*
	LED life Certificate Test Report Date	-	*
	LED lamp life certificate for 6000 hrs	Yes	*
	LED Lamp certificate Number	-	*
	LED Lamp Life Certificate date	-	*
	Name of Lab where test conducted	-	*
	EMC Test	Yes	*
	Availability of test	Yes	*

	Report to IS:16102 Part I and IS:16102 Part II latest		
	Test certificate No.	-	*
	Test Report Date	-	*
	Name of lab where test conducted	-	*
	Compulsory Registration(CRS) of BIS for safety as per IS 16102-I	Yes	*

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Gopalakrishna H	560017,General Manager, Facilities Management Division, Vimanapura Post, Post Bag no 1703,	799	15

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

MSE Purchase Preference

MSE Purchase Preference	Yes
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Buyer Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Only supply of Goods

[This Bid is also governed by the General Terms and Conditions](#)

---Thank You---