

Maharashtra Metro Rail Corporation Limited
(Nagpur Metro Rail Project)
Corrigendum II

Name of Work: Supply, Installation, Testing & Commissioning of Façade Lighting at stations of Nagpur Metro Rail Project.

Tender No. : N1EG-31/2020

Date of Issue: 29.07.2020

S.No.	Clause No	Clause Description	Query	Maha-Metro Reply
1	BOQ S.No. 4	Supply Installation Testing & Commissioning of extremely efficient, state-of-the-art of LED floodlighting RGBW luminaire with Die-cast aluminium, powder-coated finish, wattage of 45W with lumen efficacy of 33.6lm/W & luminous flux of 1344 lm, capable of producing dynamic colour changing light for large scale facade with 16.4 mln colours by DMX/Ethernet based control . Luminaire has a choice of architectural floodlighting optics with beam angles of 20 degree. It is capable of operating at line voltage without any separate power supply from 100-277 V AC. Lifetime is 60,000 burning hours at L70 at 25 degree centigrade with total IP65 protection.	1. can we offer colour changing options as RGB? 2. Beam angle requirement is 20deg, please confirm if 30 deg is acceptable? 3. product will be having BIS approval, LM80, LM79 certifications wherever needed, do we still need UL/cUL/FCC/Class A/CE/PSE certification?	1. Not Accepted. RGBW is must. 2. Acceptable. However, the Beam angle will be decided during the Design of Façade Light for a particular place. 3. BIS approval is accepted.
2		General	Please provide site plan details, to calculate accessories and DALI controllers' details for façade solution?	a) Site plan shall be provided during the Designing of Station Façade Light. b) Quantity of DALI controller and tentative associated accessories has already been provided in BOQ. Final quantity shall be arrived during designing of a particular Station Façade light.
3		General	Operating temperature requirement is 0-50 deg, can we offer products with 0-45 deg ambient?	Not accepted. Ambient temperature of Nagpur is 47 ° C.
4		General	Please clarify product type, is it IP66 Batten or Linear Wall Washer? In case of linear wall washer provide beam angle and length 1 mtr is ok or not?	a) This fixture is Linear Wall Washer type. b) Beam angle shall be decided during the Designing of Façade Light for particular place. c) 1 meter or 4 feet length is acceptable.
5	BOQ S.No. 5	Supply, Installation, Testing & Commissioning of LED Cove lighting strip, with driver, flexible type, 5 m length, Warm White, IP20, LED power :28W, 480 lumen/meter, CRI>80.	For Sr no 5, as strip lighting is only for highlighting near surfaces, not for functional lighting, can we offer 350 lm/mtr instead of 480 lm/mtr Also as this is a lower wattage product, please confirm if we can offer Without EMI/EMC, withstand voltage 320V for 2 Hrs, o/p voltage ripple 3%, Output over voltage protection 125 V DC?	Not accepted. 480 lm/mtr and EMI/EMC is essential in Maha-Metro project.
7	BOQ S.No. 6	Supply Installation Testing & Commissioning of Neon Strip Physical Materials Polyvinyl Chloride (PVC) extremely efficient 9W with lumen of 330lm/mtr, CCT 2700K/3000K/6500K ,THD <20 , CRI 80, PF >0.9, Surge Protection 2.5KV, Operating temperature 0-50 C, BIS approved. Luminaire has a choice of architectural floodlighting optics with beam angles of 120 degree. It is capable of operating at line voltage without any separate power supply from 100-277 V AC. Lifetime is 50,000 burning hours at L70 at 25 degree centigrade with total IP65 protection.	Need clarification which CCT's required??	CCT requirement for a particular Station shall be decided during the Designing of Façade Light.



8	BOQ S.No. 8	Supply, Installation, Testing and Commissioning of Spike Light with a nominal system lumen output of 1100 lumens. The luminaire should have a cool temperature of 300K and CRI>80 , with beam angle of 36 Deg , IP65 rating, THD<20%, PF>0.9 with a high efficiency diffuser, Omnidirectional. The luminaire housing should made of powder coated aluminium. The total power consumption should not exceed 12W (including driver). Similar to Philips Make " Garden Spike".	1. which is 12W product, as less wattage product, can we offer Without EMI/EMC, withstand voltage 320V for 2 Hrs, o/p voltage ripple 3%, Output over voltage protection 125 V DC? 2. As this product will be used to highlight gardens/ plants/ trees not for functional lighting, can we offer 8W with 600lm?	1. Not Accepted, the EMI/EMC is essential in Maha-Metro project. 2. Not Accepted, Lumen output 1100 lm is required.
9		General	The details of site is not mentioned.	Site Location shall be Nagpur Metro Rail Project Site at various Metro station Nagpur only.
10		General	For execution of facade lighting work, the site visit is required.	Vendor has to visit every site after award of the contract.
11		General	The layout of buildings and detailed drawing is required.	a) Site plan and drawings shall be provided after award of contract. b) Design of Façade light shall be prepared by Façade light vendor only.
12		General	Whether we have to submit the lighting design stimulation alongwith offer.	Lighting Design Simulation shall be done after award of contract
13		General	BoQ quantity may vary depends on design, hence the details of site where facade lighting is carried out.	Provided quantity in tender is tentative only. This may vary during the site execution as per approved design.
14		General	Makes list some brands are mentioned whose equivalent product of our brand may be considered meeting the desired specifications.	After various technological consideration, façade light fixtures and associated accessories of related brands have been identified and that have been mentioned in tender documents. It is advisable to use the brands as mentioned in the tender.

ED/Procurement


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