

राष्ट्रीय डिजाइन संस्थान असम
National Institute of Design Assam
Tocklai, Rajabari, Jorhat-785014
Assam

NIDJ/2025-26/ESTATE/ELECTRICAL/NIT/ 146 156

Dated:30.05.2025.

CORRIGENDUM - 1/ सुधार - 1

1. In partial modification to Tender Notice No. NIDJ/2025-26/ESTATE/ELECTRICAL/NIT/ 146, Below amendments were done in following clauses. / निविदा सूचना संख्या एनआईडीजे/2025-26/एस्टेट/इलेक्ट्रिकल/एनआईटी/146 में आंशिक संशोधन करते हुए निम्नलिखित खंडों में संशोधन किए गए

Section 3- Scope of work/ approved make.

Scope Of Work & Approved Make

Item	Details
Pole Height	12 meters
Pole Type	Tapered Polygonal (Octagonal/12 side)
Material	Hot Dip Galvanized Steel
Top Diameter	~100-150 mm
Bottom Diameter	~300-400 mm
Plate Thickness	3 mm to 6 mm (as per design)
Luminaire Arrangement	Circular ring with 4-6 LED fixtures
Lowering System	Optional winch and pulley system
Foundation	RCC with anchor bolts & templates

Makes of light:

Crompton, orient,
philips, polycab

Make of poles:

Tata, Nezone and
any reputed ISI
marked and approved

Detailed Technical specification:

Sl.No.	Description	Parameter
1	Overall height of the high Mast	12 Mtr
a.	Material of construction of shaft	Grade S355 JO as per BSEN 100025 or equivalent
b.	Cross section of Mast	12 sided, regular continuously tapered polygon

c.	Number of sections	1
d.	Thickness of the shaft (mm)	4 mm
e.	Length of individual section	1200 mm
f.	Base and Top diameter	350mm (A/F) & 150 mm (A/F)
g.	Type of Joints	No site joints, must be delivered in single section
h.	Material protection treatment of fabrication mast section	Hot-dip galvanization through single dipping process
i.	Thickness of galvanization	85 Microns as per IS 2629
j.	Size of opening door at base	Approx 250x0100mm
k.	Type of locking arrangement and door construction	Anti Vandal Type
L.	Details of stack board inside	Insulated Base board
M.	Size material and thickness of cable termination Box	Standard
n.	Size of base plate diameter	As per manufacturer standard design
o.	Size of base plate thickness	Min. 20 mm
p.	Size of anchor plate thickness	4 mm
q.	Gross weight of 12 mtr pole	400 KG (approx.)
2	Foundation Details	
a.	Type of Foundation	Open raft shallow footing
b.	Size of foundation	As per design conforming IS 456
c.	Design Safety factor	2.0 (As per IS 456)
d.	Considered wind speed (Km/Hr)	180 Km/Hr
e.	Depth of foundation	As per required design
f.	Average soil bearing capacity	As per site condition
g.	No. Foundation bolts	6
h.	PCD of foundation bolt (mm)	As per manufacturer standard design
i.	Type of foundation bolt	TOR Steel
j.	Size of Bolt	25 mm
3.	Lantern Carriage	
a.	Diameter of carriage ring (mm)	Suitable of carrying 6 luminaries
b.	Construction	MS tube hot dip galvanized
c.	Number of joints	As per manufacturer standard design
d.	Buffer arrangement between carriage and mast	Rubber padded guide ring provided
e.	Load carrying capacity	500 KG
f.	Total weight of assy with fitting	As per design
5.	Winch	

a.	Number of drums	Double drum
b.	Capacity	SWL 500 KG
c.	Operating speed	410 rpm electric motor
d.	Method of operation	Manual/power tool
e.	Type of lubricant	Gear oil
f.	Materials of construction of gears	Phosphorous bronze /EN 19
g.	Tested load per drum	500 KG
h.	SWL of winch at 410 rpm	500 KG SWL
6.	Wire Rope	
a.	Number of Ropes thickness	3 No's / 5 mm noncorrosive marine grade steel
b.	Factor safety	Not less than 5
7.	Cable	
a.	Type	PVC Coated multi colour round flexible cable
b.	Material	PVC insulated copper cable
c.	Conductor size	5 core 2.5 sqmm
7.	Power Tool	
a.	Type	Integral mounted at base of the pole
b.	Input supply	220 V 1 Phase
c.	Wattage	1 HP/ 1.5 HP/2 HP as per load
d.	Operating speed	410 rpm
8.	Remote control switch	
a.	Type	Pendant switch
b.	Length of control cable	5 mtr
9.	Torque limiter	
a.	Lifting capacity	SWL 500 KG
b.	Adjustable/Non-Adjustable	Adjustable

Section 1 Clause 2. General documents to be provided: along with all relevant documents required as per NIT below documents shall also be provided by the bidder.

1. Valid Electrical License / Electrical contractor license/ Firms/**Agencies** registered as Electrical Works Contractor with CPWD /MES/STATE PWD (Assam) for OR ANY OTHER RECOGNISED GOVERNMENT Organization.



(Sd/-)

Chief Administrative Officer
National Institute of Design Assam
Jorhat - Assam