

अमरावती महानगरपालिका, अमरावती

विद्युत विभाग

दर सूचना (कोटेशन नोटीस)

अमनपा/प्रवि/शअ/882/2025

दिनांक:- 09/09/2025

अमरावती महानगरपालिके अंतर्गत दर सूची बाह्य दर निश्चित करण्यासाठी खालील बाबींकरिता मान्यता प्राप्त उत्पादक किंवा वितरक यांचेकडून दराबाबत दरपत्रक (कोटेशन) मोहोरबंद लिफाफ्यामध्ये अथवा ई-मेलद्वारे मागविण्यात येत आहे.

AMRAVATI MUNICIPAL CORPORATION, AMRAVATI				
ELECTRICAL DEPARTMENT				
Name of Work - Supplying & Erecting Centralised Control and Monitoring System for Street Lights in AMC area.				
Non-CSR Item				
Item No.	Category	Description	Unit	Rate
1.	NCSR	CCMS Panel and RTU Installation 3 phase Supply and installation of smart feeder panels embedded with Remote Terminal Units (RTUs) Energy meters (3-phase) Phase wise contactors/Relays 4G with fall back to 2G Over-voltage, Under Voltage, short-circuit, and surge protection IP-rated outdoor enclosures (minimum IP55) CCMS RTUs shall: Support MODBUS RTU protocol Communicate bidirectionally with a cloud-hosted control platform Send data on voltage, current, energy consumed, power factor, and alerts Store 3 months of historical data locally and synchronize with the cloud 4G with fallback to 2G 5 nos. relay with individual time setting and schedule 2 nos. of Analog Input for sensors such as movement and Lux 6 nos. of Digital Input for MCB trip feedback, Door Open Close, Contactor Feedback, Auto Manual Feedback Supports Over the Air Firmware Upgrades Faults: short-circuit, over/under voltage/current, lamp failure, power cut, MCB Trip Surge and over-voltage protection, tamper-proof Scheduling: Astronomical, manual, time-based Enclosure: IP55 minimum Operating voltage: 90V to 440V AC, 50 Hz Auto Phase selector: To operate RTU if any 2 phase	Each	

		<p>available or any one phase and neutral is available Battery Backup: 4 Hrs Energy Meter 3-Phase MODBUS RTU compliant Accuracy: Class 1.0 or better Parameters: Voltage, current, power factor, kWh, kVAh Tamper-resistant panel mount</p> <p>Applicable Standards IEC 60598, IEC 61347-2-13 IS 15885, IS 16104, IS 16105, IS 16106, IS 10322 SP72:2010, LM79, LM80, CISPR 15</p>		
2.	NCSR	<p>CCMS Panel and RTU Installation 1 phase Supply and installation of smart feeder panels embedded with Remote Terminal Units (RTUs) Energy meters (1-phase) 4G with fall back to 2G Phase wise contactors/Relays 4G with fall back to 2G Over-voltage, Under Voltage, short-circuit, and surge protection IP-rated outdoor enclosures (minimum IP55) CCMS RTUs shall: Support MODBUS RTU protocol Communicate bidirectionally with a cloud-hosted control platform Send data on voltage, current, energy consumed, power factor, and alerts Store 3 months of historical data locally and synchronize with the cloud 4G with fallback to 2G 5 nos. relay with individual time setting and schedule 2 nos. of Analog Input for sensors such as movement and Lux 6 nos. of Digital Input for MCB trip feedback, Door Open Close, Contactor Feedback, Auto Manual Feedback Supports Over the Air Firmware Upgrades Faults: short-circuit, over/under voltage/current, lamp failure, power cut, MCB Trip Surge and over-voltage protection, tamper-proof Scheduling: Astronomical, manual, time-based Enclosure: IP55 minimum Operating voltage: 90V to 440V AC, 50 Hz Auto Phase selector: To operate RTU if any 2 phase available or any one phase and neutral is available Battery Backup: 4 Hrs Energy Meter 1-Phase MODBUS RTU compliant Accuracy: Class 1.0 or better Parameters: Voltage, current, power factor, kWh, kVAh Tamper-resistant panel mount</p> <p>Applicable Standards</p>	Each	

		IEC 60598, IEC 61347-2-13 IS 15885, IS 16104, IS 16105, IS 16106, IS 10322 SP72:2010, LM79, LM80, CISPR 15		
3.	NCSR	Geo-Tagging and Asset Mapping Mandatory geo-tagging of: All CCMS feeder panels Each geo-tag shall include: GPS coordinates Feeder ID Load Value Installation and maintenance history Real-time operational status Data to be integrated with the CCMS dashboard and GIS-based visualization	Each	
4.	NCSR	Remote Monitoring & Control System Real-time control of groups of lights (ON/OFF) Astronomical, Time-based scheduling, Fixed Scheduling Alarm notifications via email/SMS/portal Live dashboard for monitoring energy usage, faults, and asset status Role-based secure user access (Admin, Supervisor, Operator) Historical data logging for minimum 1 year with archive options Web-Based CCMS Platform Live dashboard, KPIs: kWh, current, voltage, alerts Map-based visualization Secure role-based access Scheduling: manual/time-based/astronomical Reports and mobile access Open APIs Communication and Data Integration Vendor to manage SIMs and APNs API and logs: CSV, JSON, XML	Each	
5.	NCSR	Complaint and Maintenance Management Development and deployment of an integrated complaint management system: Toll-free number, mobile app, and web portal access Ticket-based complaint tracking with SLA definitions Escalation hierarchy for unresolved issues	Each	
6.	NCSR	Establishment of a central control room within municipal limits with: Round-the-clock operations (24x7) Trained technical manpower and helpdesk support	Each	
7.	NCSR	Operation & Maintenance (O&M) Responsibilities Contractor shall maintain entire system (hardware & software) for 5 years Minimum 95% uptime for street lighting network is required Scope includes: Preventive and corrective maintenance of CCMS panels and RTUs SIM card management and communication upkeep Replacement of faulty components (excluding theft	Each	

		unless insured) Annual cleaning of panels and electrical safety checks		
8.	NCSR	Data Sharing and Integration Real-time data to be made available to Amravati Municipal Corporation officials Contractor shall provide: Open APIs for third-party dashboard integration Monthly MIS reports on energy usage, uptime, faults, and maintenance Mobile app access for field inspection and audits	Each	

दरपत्रक सादर करण्याचा कालावधी	दि. ०९/०९/२०२५ ते दि. ११/०९/२०२५ ३-४ = ०० वाजेपर्यंत
दरपत्रक सादर करण्याचे ठिकाण	सकाश विभाग, मगपा अमरावती
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टिप:-

- 1) दर वस्तु व सेवा कर विरहीत (Exclusive G.S.T) देण्यात यावे.
- 2) दरपत्रक सादर करण्याकरीता मान्यताप्राप्त उत्पादक किंवा वितरक असल्याबाबतचे प्रमाणपत्र जोडणे आवश्यक आहे.
- 3) दरपत्रक सादर करण्याचा कालावधी नंतर प्राप्त झालेले दरपत्रक ग्राह्य धरण्यात येणार नाही.



शहर अभियंता

महानगरपालिका अमरावती