



पुणे महानगर

“नियोजनबद्ध विकास”

पुणे महानगर प्रदेश विकास प्राधिकरण, पुणे
नवीन प्रशासकीय इमारत, आकुर्डी रेल्वे स्टेशन जवळ, पुणे.- ४११०४४
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कोटेशन नोटीस

पुणे महानगर प्रदेश विकास प्राधिकरणाच्या कार्यक्षेत्रात अभियांत्रिकी विभाग २ मार्फत इंद्रायणी नदी प्रदूषण नियंत्रण प्रकल्प राबविणे या प्रकल्पामध्ये विविध प्रकारची कामे करणेत येत आहेत. ही कामे करण्यासाठी अंदाजपत्रक तयार करणे करीता खालील बाबींच्या कामासाठी तपशिला प्रमाणे बाजार भाव (Market Rate) प्राप्त करणे कामी अशा प्रकारची काम करणा-या ठेकेदार/पुरवठा करणा-या कडून दि. २६/०९/२०२५ ते दि. ०३/१०/२०२५चे कालावधीमध्ये सिलबंद दरपत्रक/कोटेशन मागविणेत येत आहे.

कोटेशन नोटीस क्र. -PMRDA/Indrayani/ /2025-26

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
1	Biogas Plant: - Designing, providing & constructing Biogas plant of 8 TPD capacity uses a two-stage thermophilic-mesophilic digestion process., features a back-feeding mechanism of log-phasic bacteria into the system. This advanced technique results in a 40% additional biogas yield compared to other methods. The first phase of the digester has a hydraulic retention time (HRT) of 15 days. The organic loading rate is $\pm 1190 \sim \text{mg/lit}$ and the pH is maintained at 5.7 ± 0.1 . The technology also helps to achieve higher volatile fatty acid (VFA) production, which can increase biogas output. Plant Specifications and Items The proposed plant has a total capacity of 8 tons per day of segregated organic waste. It is designed to process hotel, canteen, and Dharamshala waste, among other things. Civil Units: Feed Handling Shed Feed Storage Area Mixing Chamber Anaerobic Digester Recycle Chamber Sludge Holding Tank Balloon Shed / Enclosure Control cum Engine Shed Workers Room Miscellaneous Foundations Office Room Electro-Mechanical Items: Shredder/Crusher Sorting platform/Conveyor Mixing				

Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	mechanism Feed Pumps Anaerobic Digester Top Covers Internal Proprietary Modules in digester Recycle Chamber and Pumps Sludge Pump and Holding Tank Cover Biogas Storage / Holder Biogas Blower with Motor Intermediate Pressurized Biogas Tank Pressure Switch & Gauges Moisture Traps Flame Arrester Biogas Flare Electrical and Piping Works Control Panel Biogas Measurement Unit Bio-CNG Bottling PSA type Purification System Bottling Compressor Cylinders and Cylinder Cascade The process flow involves several stages: Waste, cow dung, and housing waste are mixed together. The mixture is processed in a crusher/shredder. The slurry is then mixed in two mixing chambers. The slurry is fed into a two-stage thermophilic digester system. Biogas is generated. The remaining slurry is processed. A centrifuge separates the sludge. The sludge is sent to a holding tank. The sludge is converted into organic manure. Water is recycled. An ETP (Effluent Treatment Plant) is used for final treatment. The biogas can be purified into Bio-CNG, and the overflow from the secondary digester is treated for further use. The organic manure is also properly handled. Outputs The plant is expected to generate 550 cubic meters of biogas per day, which is equivalent to 220 kg of Bio-CNG. It will also produce 1.5 tons of organic manure daily. The process has been developed to ensure zero waste after processing. The operation and maintenance of the 8 TPD biogas plant shall include daily collection, weighing, unloading, sorting and feeding of segregated organic waste into the system; preparation of slurry and uniform feeding into the digester; continuous monitoring of digester parameters such as pH, temperature, pressure, gas yield and quality; routine operation of pumps, mixers, gas cleaning skid, CHP unit, electrical panels, safety devices and flare; preventive and corrective maintenance of all civil, mechanical and electrical components including lubrication, tightening, cleaning and replacement of consumables; regular desludging, pipeline flushing, safety checks and calibration of instruments; housekeeping and record-keeping of feedstock received, biogas generated, power produced and downtime logs; management of digestate including dewatering, drying and safe disposal or reuse as per environmental norms; provision of trained operators, technicians and supervisory staff for round-the-clock plant operation; supply of chemicals, lubricants, filters and spares required for smooth running; emergency support				

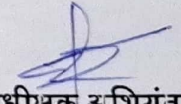
Sr. No.	Product Descriptions	Product Image	Qty	Unit	Rate per Unit (Excluding GST)
	and troubleshooting; and submission of monthly performance reports to the client to ensure the plant continuously processes 8 tonnes of organic waste per day with safe, efficient and compliant operation.				

अटी व शर्ती -

- इच्छुक ठेकेदारांनी उपरोक्त तक्त्यात नमूद केलेल्या साहित्याचे दिलेल्या **Specification** सह सीलबंद कोटेशनचे पाकीट मा.अधीक्षक अभियंता, अभियांत्रिकी विभाग २, पुणे महानगर प्रदेश विकास प्राधिकरण, पुणे यांचे नावे दि. ²⁶/~~23~~/09/2024 ते दि. 03/10/2024 पर्यंत ३.०० वाजेपर्यंत अभियांत्रिकी विभाग २, ५ रा मजला, नवीन प्रशासकीय इमारत, आकुर्डी रेल्वे स्टेशन जवळ, आकुर्डी, पुणे. ४११०४४ येथे समक्ष अथवा ce2wssd@gmail.com या ईमेल आयडीवर दरपत्रक देण्यात यावे.
- साहित्याचे दर इतर सर्व करासहित (GST वगळून) देणेत यावे.
- सीलबंद कोटेशन पाकिटावर कोटेशन नोटीस क्र., कामाचे नांव तसेच फर्म / कंपनीचा नावाचा स्पष्ट उल्लेख करावा.
- अटीयुक्त, उशिरा आलेल्या व अपूर्ण कोटेशनचा विचार केला जाणार नाही.
- ठेकेदारास / एजन्सीस त्याची फर्म अस्तित्वात असलेबाबतचा पुरावा मागणी अंती सादर करावा लागेल.
- अशा प्रकारची कामे करत असल्याचा पुरावा मागणी अंती सादर करावा लागेल.
- सदरची कोटेशन नोटीस <https://www.pmrda.gov.in/downloads/notification-circulars/> या वेबसाईटवर पाहणेस उपलब्ध आहे.

जा.क्र.जा.क्र. EG2/9600/202 / प्र.क्र. / 2024

दिनांक:- 26/09/2024


 अधीक्षक अभियंता,
 अभियांत्रिकी विभाग २
 पुणे महानगर प्रदेश विकास प्राधिकरण, पुणे

प्रत: माहिती तंत्रज्ञान विभाग, पुणे महानगर प्रदेश विकास प्राधिकरण, पुणे यांना वेब साईटवर प्रसिद्धीकामी