

# OFFICE OF THE EXECUTIVE ENGINEER (HQ)

## NAGAR NIGAM JAIPUR HERITAGE NOTICE INVITING E - BID FOR WORKS


### ई-निविदा सूचना संख्या 63/2024-25

नगर निगम जयपुर हैरिटेज के खण्ड अधिशाषी अभियन्ता (मु0) द्वारा निम्न कार्य कराये जाने हेतु सामग्री क्रय/सेवाओं में ईच्छुक एवं अनुभवी संवेदकों से निर्धारित प्रपत्र में ई-प्रोक्यूमेंट प्रक्रिया हेतु आनलाईन दर संविदा हेतु निविदाएं आमंत्रित की जाती है। टेण्डर की शर्तें निम्नानुसार है:-  
निविदा हेतु पात्रता की श्रेणी:-


- 1 आर.टी.पी.पी. एक्ट 2012 एवं आर.टी.पी.पी. रूल्स 2013 के नियम एवं शर्तें निविदा में लागू होंगे।
- 2 निविदादाताओं को निविदा शुल्क/बोली प्रतिभूति एवं प्रोसेसिंग फीस ऑन लाईन नगर निगम जयपुर हैरिटेज की वेबसाइट [www.jaipurmcheritage.org](http://www.jaipurmcheritage.org) पर Submission Date and time से पूर्व जमा करवाकर उससे प्राप्त होने वाली रसीद को स्केन करके [www.eproc.rajasthan.gov.in](http://www.eproc.rajasthan.gov.in) पर अपलोड करने पर ही निविदा को मान्य किया जावेगा।
- 3 बोली आमंत्रण प्रपत्र में दिए गए निर्देशों के अनुसार प्रस्ताव उचित रूप में ऑनलाईन प्रस्तुत किए जाने है।

क्र. सं.	कार्य का नाम	अनुमानित लागत (राशि लाखों में)	अमानता राशि 2% एवं (0.5% निगम में रजिस्टर्ड फर्म हेतु)	निविदा शुल्क	MD-RISL Fees	निविदा प्रकाशित करने की तिथि	निविदा अपलोड करने की तिथि	निविदा डाउनलोड/अपलोड करने की अंतिम तिथि व समय	निविदा खोलने की तिथि व समय	कार्यपूर्ण करने की अवधि
1.	Supply and Installation of animal waste incinerator at slaughter house of Nagar Nigam Jaipur Heritage.	149.89	Rs. 299780/- & Rs. 74945/-	2000 18% GST 2360/-	2000	06.11.2024 6.00 PM	06.11.2024 6.00 PM	26.11.2024 6.00 PM	27.11.2024 11.00 AM	1 माह

- 4 ई-बोली प्रपत्र दो भागों में है। प्रथम भाग तकनीकी बिड है तथा द्वितीय भाग वित्तीय बिड है। बोली दाता द्वारा तकनीकी बिड हेतु यह प्रपत्र मय संलग्न व वांछनीय दस्तावेज के प्रत्येक पृष्ठ पर हस्ताक्षर करते हुये (मय सील) eproc पोर्टल पर अपलोड करनी है। वित्तीय बिड ऑनलाईन BOQ में ही प्रस्तुत की जानी है। इससे भिन्न रूप में प्रस्तुत प्रस्तावों पर विचार नहीं किया जाएगा। वित्तीय दर वाला बिड डॉक्यूमेंट केवल उन्ही फर्मों का खोला जायेगा, जिन्हें कमेटी द्वारा तकनीकी बिड डॉक्यूमेंट में योग्य समझा जायेगा।
- 5 निविदादाता निविदा राशि की 2.00 प्रतिशत अमानता राशि जमा कराना अनिवार्य होगा।
- 6 संवेदक को किसी भी राजकीय संस्था विभाग, बोर्ड, कॉर्पोरेशन अथवा उपक्रम में वर्तमान में ब्लैक-लिस्टेड/डी-बार अथवा डिफाल्टर घोषित नहीं किया होना चाहिए इस संबंध में 100 रूपयों के नॉन ज्यूडिशियल स्टाम्प पैपर पर नोटरी से प्रमाणित शपथ-पत्र निविदा के साथ संलग्न किया जाना आवश्यक है।
- 7 फर्म का नाम एवं पता मय टेलीफोन नम्बर, फर्म की स्थिति एकाकी/पार्टनरशिप/प्रा.लि. आदि का विवरण संलग्न करना होगा। साथ ही फर्म का पैनकार्ड नं. की छायाप्रति संलग्न करनी होगी। फर्म का स्वयं का नगरीय निकाय क्षेत्र में कार्यालय स्थित होना आवश्यक है। (प्रमाण पत्र संलग्न करें)
- 8 फर्म का जीएसटी विभाग द्वारा जारी जीएसटी सर्टिफिकेट मय नवीनतम् जीएसटी रिटर्न प्रमाण पत्र की छाया प्रति संलग्न करनी होगी।
- 9 संवेदक को उपरोक्त कार्य में भाग लेने के लिए विगत तीन वित्तीय वर्ष में निविदा राशि का वार्षिक औसत न्यूनतम 50 प्रतिशत टर्न ओवर प्रतिवर्ष का होना आवश्यक होगा। इस हेतु संवेदक द्वारा सी.ए. से प्रमाणित ओडिटेड बेलेन्स शीट लगाया जाना आवश्यक होगा।
- 10 संवेदक को किसी भी राजकीय विभाग अथवा राजकीय उपक्रम में समान प्रकृति के गत 3 वर्ष मे निम्नानुसार सम्पादित कार्य जिसका अनुभव/पूर्णता प्रमाण पत्र संलग्न करना आवश्यक होगा-
  - एक कार्य का अनुमानित लागत का 60% के बराबर पूर्णता का प्रमाण पत्र संलग्न करना होगा।  
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  - दो कार्य जिनमें प्रत्येक कार्य का अनुमानित लागत का 30% के बराबर पूर्णता का प्रमाण पत्र संलग्न करना होगा।  
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अधिशाषी अभियन्ता (मु0)  
नगर निगम जयपुर हैरिटेज

- तीन कार्य जिनमें प्रत्येक कार्य का अनुमानित लागत का 20% के बराबर पूर्णता का प्रमाण पत्र संलग्न करना होगा।
- 11 संवेदक को निविदा में मांगे गये दस्तावेजों की पूर्ती कर लगाया जाना आवश्यक होगा। यदि मांगे गये दस्तावेजों की पूर्ती नहीं किये जाने पर उस फर्म को असफल माना जावेगा।
  - 12 आपूर्तिकर्ता/सेवाप्रदाता ठेकेदार द्वारा दी जायेगी तथा इस परिवर्तन से संविदा के अधीन किसी भी दायित्व से फर्म के पहले सदस्य को मुक्त नहीं किया जावेगा।
  - 13 निविदादाता विफल रहा है के मूल्य की निम्नानुसार प्रतिशत के आधार पर वसूली की जावेगी।
    - विहित परिदान कालावधि की एक चौथाई कालावधि तक विलम्ब 2.50 प्रतिशत
    - विहित कालावधि से एक चौथाई से अधिक किन्तु आधी से अनाधिक कालावधि तक बिलम्ब 5.00 प्रतिशत
    - विहित कालावधि के आधे से किन्तु तीन चौथाई का बिलम्ब 7.50 प्रतिशत तक की कालावधि
    - विहित कालावधि के तीन चौथाई से अधिक की कालावधि का बिलम्ब 10.00 प्रतिशत
    - निर्धारित नुकसान की अधिकतम रकम 10.00 प्रतिशत
  - 14 संविदा के संबंध में फर्म में किसी भी नए भागीदार/भागीदारों को ठेकेदार द्वारा फर्म में तब तक स्वीकार नहीं किया जायेगा जब तक कि वे इसकी समस्त शर्तों को मानने के लिये बाध्य नहीं हो जाते एवं क्रेता अधिकारी को इस संबंध में लिखित नामा प्रस्तुत नहीं कर दें। प्राप्ति स्वीकृति के लिए ठेकेदार की रसीद या बाद में उपरोक्त रूप में स्वीकार की गयी किसी भागीदारी की रसीद उन सब को बाध्य करेगी तथा वह संविदा के किसी प्रयोजन के लिए पर्याप्त रूप से उन्मुक्ति (डिस्चार्ज) होगी।
  - 15 स्वीकृत निविदादाता को निविदा की शर्तों की पूर्ण पालना करनी होगी। शर्तों की अवहेलना/खराब सामान आपूर्ति करने पर तथा विलम्ब पर नियमानुसार कार्यवाही कर नुकसान को वसूलने का नगर निगम जयपुर हैरिटेज को पूर्ण अधिकार होगा। ऐसे मामलों में फर्म के दोषी पाये जाने पर स्वीकृति निरस्त कर पुनः निविदा आमंत्रित की जा सकेगी। नई फर्म को निविदा द्वारा कार्यादेश दिये जाने तक नगर निगम जयपुर हैरिटेज ठेकेदार की रिस्क व कोस्ट के आधार पर किसी अन्य (निविदा में भाग लेने वाली) फर्म से कार्य कराया जा सकेगा, जिसकी कटौती ठेकेदार से की जावेगी।
  - 16 किसी भी निविदा को बिना कारण बताये अस्वीकृत करने का पूर्ण अधिकार नगर निगम जयपुर हैरिटेज को होगा।
  - 17 सफल निविदादाता को सामग्री/सेवाओं की टेण्डर राशि की 5 प्रतिशत राशि सिक्क्योरिटी डिपोजिट के रूप में रखी जायेगी। इसमें अमानता राशि को समायोजित करते हुए, शेष राशि ठेकेदार को जमा करानी होगी। यह निविदा (तीन वर्ष) की अवधि तक नगर निगम जयपुर हैरिटेज कोष में जमा रहेगी। इस पर किसी भी प्रकार का ब्याज देय नहीं होगा।
  - 18 सफल निविदादाता को नियमानुसार निर्धारित राशि के नॉन ज्यूडिशियल स्टाम्प पेपर पर नगर निगम जयपुर हैरिटेज के तहत शर्तों की पालना के संबंध में एक संविदा पत्र लिखना होगा, जिस पर दो गवाहों के हस्ताक्षर होंगे।
  - 19 निविदा की शर्तों में किसी भी प्रकार का परिवर्तन/परिवर्धन करने का अधिकार आपसी सहमति से नगर निगम जयपुर हैरिटेज को होगा। लेकिन यह निविदा प्रस्तुत करने की तारीख से पूर्व होना चाहिए तथा निविदा के कुल समय का 50% समय से पूर्व अपलोड होना चाहिए।
  - 20 निविदादाता द्वारा दी जाने वाली दरें सभी कर सहित होगी।
  - 21 उक्त कार्य के भुगतान की कार्यवाही खण्ड अधिशाषी अभियन्ता (मु0) के स्टोक रजिस्टर में प्रमाणिकरण के अनुसार ही की जावेगी।
  - 22 फर्म के बिलों से नियमानुसार आयकर कटौती भुगतान करते समय की जायेगी।
  - 23 यदि निविदादाता किसी कार्यादेश की पूर्ति समय पर नहीं कर पावे अथवा आदेशों की अवहेलना करता है, या आदेशों को लेने से मना करता है, तो 5000/-रु. प्रतिदिन की दर से जुर्माना आगामी होने वाले भुगतान राशि में से काटा जावेगा।
  - 24 कार्य की आवश्यकता को देखते हुए दूरभाष पर भी आदेश दिये जा सकेंगे जो ठेकेदार को मान्य होंगे। इसकी पुष्टि में बाद में आदेश जारी किये जा सकेंगे।
  - 25 निविदादाता द्वारा दरें निकटतम रु. एवं पैसों में दी जावेगी।
  - 26 ठेकेदार के ठेके को निरस्त करने की अवस्था में नगर निगम जयपुर हैरिटेज द्वारा उचित समझे जाने पर निविदा में भाग लेने वाली अन्य फर्मों से प्रथम निविदादाता (वर्तमान ठेकेदार) की अनुमोदित दरों पर

  
 अधिशाषी अभियन्ता (मु)  
 नगर निगम जयपुर हैरिटेज

- कार्य करने की सहमति लेकर कार्य कराया जा सकेगा, जो शेष अवधि के लिए होगा।
- 27 इस करार से उत्पन्न समस्त विवादों तथा इस करार के निर्वाचन से संबंधित समस्त प्रश्न नगर निगम जयपुर हैरिटेज द्वारा निर्णित किये जायेंगे और नगर निगम जयपुर हैरिटेज का निर्णय अंतिम होगा।
- 28 सिविल विवाद की स्थिति में स्थानीय सिविल न्यायालय को ही क्षेत्राधिकार होगा।
- 29 राज्य सरकार व नगर निगम जयपुर हैरिटेज द्वारा समय समय पर जारी आदेश निर्देश मान्य होंगे।
- 30 निविदादाता को ई-मेल द्वारा सूचना दी जा सकती है। इसलिए आप अपने फ़ैक्स नम्बर साथ ही ई-मेल तथा मोबाईल नम्बर देने जरूरी होंगे।
- 31 संतोषजनक कार्य नहीं होने की स्थिति में अनुबन्ध को किसी भी समय निरस्त किया जा सकता है तथा प्रतिभूति राशि जब्त कर ली जायेगी।
- 32 निविदादाता द्वारा किसी भी आईटम की दर प्रस्तुत नहीं करने पर निविदा को अपूर्ण मानकर निरस्त कर दिया जायेगा।
- 33 दर संविदा हेतु किसी निविदादाता द्वारा अस्पष्ट एवं अव्यावहारिक दरें दी जाती है, तो उसकी निविदा निरस्त कर अमानता राशि जब्त कर ली जायेगी।
- 34 यदि किसी निविदादाता द्वारा टेण्डर की राशि से कम दर भरी जाती है तो सफल निविदादाता को एल.ओ.ए. (स्वीकृति प्रत्र) जारी किये जाने के 14 दिवस के अन्दर अन्तर की राशि बीजी/एफडीआर/एनएससी के रूप में नगर निगम जयपुर हैरिटेज में जमा करानी होगी। कार्य संतोषप्रद पूर्ण होने के पश्चात् वापस लौटा दी जावेगी।
- 35 निविदादाता द्वारा निविदा प्रपत्र तथा एनेक्सचर A, B, C & C को स्वयं हस्ताक्षर कर स्केन करके [www.eproc.rajasthan.gov.in](http://www.eproc.rajasthan.gov.in) पर अपलोड करने पर ही निविदा को मान्य किया जावेगा। अन्यथा निविदा निरस्त कर दी जावेगी।
- 36 निविदादाता दरों की वैधता अवधि खोले जाने की दिनांक से 90 दिवस तक अनुमोदन हेतु मान्य होगी।
- 37 आर.टी.पी.पी. एक्ट 2012 एवं आर.टी.पी.पी. रूल्स 2013 की सभी नियमों एवं शर्तें पूर्णतः प्रभावी रहेगी।
- 38 संलग्न विशेष शर्तें एनेक्सचर 1, 2 एवं 3 की पूर्ती कर स्वयं हस्ताक्षर कर स्केन करके [www.eproc.rajasthan.gov.in](http://www.eproc.rajasthan.gov.in) पर अपलोड करने पर ही निविदा को मान्य किया जावेगा। अन्यथा निविदा निरस्त कर दी जावेगी।
- 39 उक्त कार्य के भुगतान की कार्यवाही खण्ड अधिशाषी अभियन्ता (मु0) के स्टोक रजिस्टर में प्रमाणिकरण के अनुसार ही की जावेगी।

निविदादाता के हस्ताक्षर  
एवं फर्म का नाम

  
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**INSTRUCTIONS FOR THE TENDERERS**


The Tender shall be submitted in accordance with these instructions, as under.

**1. Eligible Bidder:**

- a) Minimum Three including one big **Animal Waste Incinator with** Government of Rajasthan & NGO order Executed along with the performance report in the last three Financial years for the same Quoted products are to be uploaded with technical documents.
- b) Bidder must be a Original Equipment Manufacturer (OEM) With MSME and NSIC Registration notarized copies to be attached.
- c) The bidder must have minimum turnover 50% of tender Estimate cost of during last three financial years. The enhancement factor will be considered for calculation of turnover. The bidder must have submit the CA verified turnover Certificate.
- d) FINANCE DEPARTMENT (General Financial and Accounts Division) NOTIFICATION Jaipur, November 19,2015 and Rajasthan Gazette 13.10.2020 is applied and attach signed copy of valid MSME/UAM certificate.
- e) The successful bidder will have to provide the training for operation & Maintenance of machine to be deputed staff at URBAN LOCAL BODIES at Local Level of JAIPUR.
- f) The NAGAR NIGAM JAIPUR HERITAGE may visit for the Pre Inspection of the Product at the OEM Site before opening of the financial bid. The Expense for the Pre Inspection Visit will be Borne by the OEM.
- g) The Nagar Nigam Jaipur Heritage can take any Legal Action against the Bidder if any of the Information if found False or Untrue may reject the bid.
- h) The bidder is not entitle for the bid if any Type of Litigation case is pending in any respected Department of State and Central Government. The Bidder will submit CA Declaration.
- i) Chartered Accountant Authenticated Certificate regarding the bid capacity, Turnover Certificate, Pending Litigation with the Bank is to be submitted.
- j) The RPPT Act 2012 and 2013 of Rajasthan Government is mandatory.
- k) The Buyer/ Tender Issuing Authority has the right to reject any bid without mentioning any reason anytime. Any Bidder has no Right to Claim/ Appeal for the same Rejection.
- l) Warranty Certificate to be Attached along with the tender. Warranty Minimum of 12 Months on Standard Parts is Mandatory.
- m) If the bid value of the any bidder if received less than the expected value of the bid, the performance security amount has to be deposited in the office before the Work Order Issued. This performance security will be return back to the bidder after the Completion of the work order tenure.
- n) The company should have the Warehouse/branch office in Rajasthan. Details of the Address and Mobile No. to be mention along with the bid so that the concern office can be contacted for the sales service during and after DLP

**2. Scope of Supplies:**

- a) The Supply and Istallation of animal waste incinerator at slaughter house of Nagar Nigam Jaipur Heritage shall be supplied in compliance to the specifications mentioned in Annexure- 2 of the tender.
- b) The specifications of the Supply and Istallation of animal waste incinerator at slaughter house of Nagar Nigam Jaipur Heritage as mentioned in the Annexure-2 are the requirements of tender, however higher specifications of Supply and Istallation of animal waste incinerator at slaughter house of Nagar Nigam Jaipur Heritage may be considered subject to their cost economics i.e.

  
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competitiveness in financial terms for the particular location.


- c) After the supply of Supply and Installation of animal waste incinerator at slaughter house of Nagar Nigam Jaipur Heritage as mentioned in the Annexure 2, the bidder has to execute its installation & commissioning at the designated site in the location(s). within one month. No extra cost shall be paid for this reason.
- d) The bidder shall offer on-site comprehensive warranty of Supply and Installation of animal waste incinerator at slaughter house of Nagar Nigam Jaipur Heritage for at least three (03) years from the date of successful commissioning of Supply and Installation of animal waste incinerator at slaughter house of Nagar Nigam Jaipur Heritage at the designated location. The purchaser is not liable to pay any extra charges on any account during warranty period.

### 3. Delivery

- a) The purchaser interested for complete delivery of Supply and Installation of animal waste incinerator at slaughter house of Nagar Nigam Jaipur Heritage by the bidder within Sixty (60) calendar days from the date of issue of supply order. However, the bidders have an option to submit the best delivery time, but in any case the delivery should be before 75 days from the date of issue of supply order by purchaser.
- b) The material shall be inspected on receipt at site and bidder shall be responsible for any damage during the transit of Supply and Installation of animal waste incinerator at slaughter house of Nagar Nigam Jaipur Heritage/equipment.
- c) The bidder shall not arrange part shipments and/or trans-shipments without the permission of purchaser. The insurance cover including insuring the goods against the loss or damage incidental to manufacture or acquisition, transportation, storage and delivery/Installation & Commissioning shall be obtained by the bidder in his own name and not in the name of purchaser. The purchaser will as soon as possible but not later than 30 days from the date of arrival of goods at destination shall notify the bidder of any loss or damage to the goods.

### 4. Warranty

- a) The bidder shall offer on-site comprehensive warranty of Supply and Installation of animal waste incinerator at slaughter house of Nagar Nigam Jaipur Heritage for three years from the date of successful installation of Supply and Installation of animal waste incinerator at slaughter house of Nagar Nigam Jaipur Heritage at the designated location & shall cover each and every part of the Supply and Installation of animal waste incinerator at slaughter house of Nagar Nigam Jaipur Heritage including parts having limited life etc. The purchaser is not liable to pay any extra charges on any account during warranty period.
- b) The bidder shall pay to the purchaser such compensations that may arise by reasons of the warranty therein contained but not attended by the bidder.
- c) Any part or parts fail or proved defective within the on-site warranty period specified above, owing to defect in design, material or workmanship, the bidder shall have to replace them at the place of installation without asking for any charges.
- d) During the warranty period, expert(s) shall be deputed at site by the bidder within three working days from the date of request from purchase, to rectify and fixing the defects of Supply and Installation of animal waste incinerator at slaughter house of Nagar Nigam Jaipur Heritage at the location where Supply and Installation of animal waste incinerator at slaughter house of Nagar Nigam

  
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Jaipur Heritage supplied. The cost of deputation of expert(s) and any other associated expenditure shall be borne by the bidder.

**5. After Sales Services**

- a) The bidder shall ensure to render after sales services during the warranty period to the satisfaction of purchaser.
- b) The bidder will depute their engineer within three (03) working days to attend the service call received in writing & oncall from purchaser.

**6. Authorization for Submission of Tender:**

- a) The original and all copies of the bid shall be signed by a person duly authorized to sign on behalf of the Bidder. The written confirmation of authorization (in form of letter on the bidder's letter head) to sign on behalf of the bidder confirming the signature as a person duly authorized to sign should be attached with the technical bid of the tender.
- b) The person signing the tender form or any other documents on behalf of the Bidder shall be deemed to warrant that he has authority to bind the Bidder. If it subsequently comes to light that the person so signed had no authority to do so, the purchaser may without prejudice to any other civil & criminal remedies cancel the tender and hold the Bidder liable for all costs, charges and damages.

**7. Special Provision for Micro & Small Enterprises:-**

Micro and Small Enterprises (MSEs) participating in the tender will be given benefit as per Public Procurement Policy, 2012. Further, the MSEs owned by SC/ST entrepreneurs will also be given benefits as per Public Procurement Policy, 2012. The definition of MSEs owned by SC/ST is as given under:-


- (a) In case of proprietary MSE. Proprietor shall be SC/ST
- (b) In case of partner ship MSE, the SC/ST partners shall be holding at least 51% shares in the unit
- (c) In case of Private Limited Companies, at least 51% share shall be held by SC/ST promoters. Document to claim benefits shall be closed in Technical Bid.

**8. Packing:**

- a) The bidder shall provide packing of the Supply and Installation of animal waste incinerator at slaughter house of Nagar Nigam Jaipur Heritage, as is required to prevent their damages or deterioration during the transit to their final destination. The packing shall be sufficient to withstand, without limitation, rough handling during transit. In case the consignment received with damaged packaging, the purchaser would not accept the delivery.
- b) The Supply and Installation of animal waste incinerator at slaughter house of Nagar Nigam Jaipur Heritage shall be securely boxed, crated and protected from mechanical damage, moisture etc. suitable for both storage and transit according to the nature of the material and mode of transport. The bidder shall be responsible for any loss/damage to material during transportation to the designated location.

**9. Delivery Time:**

- a) The bidder shall indicate the period within which the ordered quantity will be supplied. The bidder shall note that in case bidder fails to supply within the period of delivery indicated by the bidder in technical bid of this tender, penalty @1% of value of the order per week of delay would be levied subject to maximum 4 weeks. It means, the bidder shall have the liability of delayed supply to the maximum of 4 weeks after expiry of scheduled delivery date. After that the supply order shall be cancelled and EMD will be forfeited and bidder will be debarred from participation in any future tenders.
- b) The successful Bidder shall, within a week from the date of receipt of communication of acceptance of quotes from purchaser shall intimate his acceptance of the order. The successful bidder shall complete supplies strictly

  
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as per the accepted delivery period.

**10. Causes of Rejection of Tender:**

- a) While submitting the tender, if any of the prescribed conditions are not full filled or are incomplete in any form, the tender is liable to be rejected.
- b) If any Bidder stipulates any condition of his own, such conditional tender is liable to be rejected.


**11. Jurisdiction:**

In the event of any dispute the legal matter shall be subjected to the jurisdiction of Jaipur Court only.

We confirm with our acceptance to the instructions as given above.

**BIDDER'S NAME & SIGNATURE WITH SEAL**

These duly signed "Instructions to the Tenders" as under shall be attached with technical bid of the tender as a mark of acceptance of bidder and any tender not confirming the instructions as under is liable to be rejected.

  
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**SCOPE OF ESSENTIAL REQUIREMENT/WORKS**

S. No.	Description of Items	Make	Unit	Qty	Remarks
1.	Supply and installation of Animal Waste Incinerator with LPG/CNG/PNG for intake 700 to 1000 KG/HR	Any reputed make	Nos.	01	
2.	Installation and commissioning charges including		Job	01	By the firm

**GENERAL DESCRIPTION**

- Use for Burning of Dead Animal Body/Parts.
- Capacity intake 700 to 1000 KG/HR
- Mode of Heating LPG / CNG / PNG
- Ash Removal Manual
- Equipment Static
- Electrical Supply 240V, 1 phase 440V, 3 phase
- Burner Automatic
- Material of construction M.S. 5MM–8MM
- Ignition Automatic.
- Control panel Digital type of MS Coated with provision of Auto Cut System of burners. Digital type temperature Controller.
- Inside High alumina are  
factory brick IS-8-1994 line With insulation brick IS 2042-2006


**OPERATIONAL CRITERIA**

The incinerator should be designed for primary and secondary combustion systems. Total Organic carbon content in the slag/bottom ash should be less than 1% or their loss on ignition is less than 3% of the dry weight as prescribed. The double chamber incinerator should be preferably being designed on “controlled-air” incineration principle, as particulate matter emission is low in such incinerator. Air supply in the primary and secondary chamber may be regulated between 30%-80% and 170%-120% of psychometric requirement respectively.

**The Primary Chamber-** Constructed from mild steel fabrication and inside fully insulated internal alumina brick lining with temperature range of **850 - 1000 degree centigrade**. In primary chamber, primary air is admitted near. Suitable flow measurement device should be provided on the primary and secondary air ducting. The combustion air should be supplied through a separate forced draft fan after accounting for the air supplied through burners. The primary chamber is to avoid leakage of gaseous emissions from the chamber and for safety reasons.

**The secondary chamber** Constructed from mild steel fabrication and inside fully insulated internal alumina brick lining with temperature range of **1000 - 1400 degree centigrade**.

**The secondary chamber** should be properly designed so as to facilitate a minimum of two seconds residence time to ensure combustion of the gas flow, un-burn material such as volatile, smoke and soot. For the estimation of residence time in the secondary chamber its

  
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volume calculated starting from the secondary burner up to the thermocouple. Incinerator walls are protected with insulated fire bricks/refractory system. The refractory lining of the chamber should be strong enough to sustain thermal shocks i.e. minimum temperature 1000 °C in the primary chamber and up to 1450°C in the secondary chamber. The refractory & insulation brick should have suitable thickness of 230 mm.

The incinerator combustion chambers should be designed for easy maintenance of all internal parts including refractory and isolation.

**The incinerator should confirm the following operation&emission standard as per schedule-II of rules 2016.**

PARAMETERS	EMISSION STANDARD
Particulates	50 mg/Nm <sup>3</sup>
HCl	50 mg/Nm <sup>3</sup>
SO <sub>2</sub>	200mg/Nm <sup>3</sup>
CO	50-100mg/Nm <sup>3</sup>
Total Organic Carbon	20 mg/Nm <sup>3</sup>
HF	4mg/Nm <sup>3</sup>
NO <sub>x</sub> (NO& NO <sub>2</sub> expressedasNO <sub>2</sub> )	400mg/Nm <sup>3</sup>
Total Dioxin&Furans	0.1ngTEQ/Nm <sup>3</sup>
Cd+Th+their compounds	0.05mg/Nm <sup>3</sup>
Hg&its compounds	0.05mg/Nm <sup>3</sup>

### **CONSTRUCTION**

#### **PRIMARY CHAMBER**

- Fully insulated internal refractory lining constructed from high grade refractory brick ensuring a self supporting interlocked arrangement.
- Manually operated access lid.
- Waste ignition burner temperature controlled on-off complete with internal air fans.
- A precast blocks impact zone that protects the refractory lining when loading.

#### **SECONDARY CHAMBER**

- Fully insulated internal refractory lining, constructed from high grade low thermal mass insulation.
- Secondary chamber burnout temperature through burner controlled on-off complete with internal air fans.
- Integrated combustion burner air fans with automatically controlled distribution to their designated area.
- Temperature sensor mounting point of the chamber ensuring the chamber reaches the necessary temperature.

#### **BURNERS**

- Fully automatic high-efficiency burners with electronic ignition, flame recognition and combustion control devices fitted. Should be CE certified and with safety devices like Flame Failure Protection Device etc.

#### **ASH REMOVAL**

- Easy and safe manual ash removal from the primary chamber.

#### **AIR POLLUTION CONTROL DEVICE**


##### **VENTURI SCRUBBER**

- Venturi scrubber high pressure jet type made of Stainless Steel (SS 80 deg Celsius with Phmodified water as scrubbing media. A venturi scrubber should be designed to effectively use the energy from the inlet gas stream to atomize the liquid being used to scrub the gas stream.

##### **RE-CIRCULATION PUMP FOR VENTURE SCRUBBER**

- Centrifugal type made of Cast Iron with GI Piping.

#### **DROPLET SEPARATOR&CIRCULATION TANK(INTERNAL)**

  
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- Cyclonic type made of Stainless Steel (SS-316 L). Re circulation Tank should made of MS 3mmthick with epoxy paint and water inner &Outlet valve provided. Application is to remove moisture.

#### COMBUSTION FAN

- Centrifugal type with modulation provision made of MS and direct drive.

#### I.D. FAN


- Centrifugal type with modulation provision made of MS and direct drive. Induced draft fans or IDfans

#### CHIMNEY

- A structure, usually vertical, containing a passage or flue by which the smoke,gases,etc.,of a fireor furnace are carried off and by means of which a draft is created.
- The part of such a structure that rises above a roof.
- Chimney height is 100 feet.
- Chimney with Ladder,Platform&Sampling point

Sr. No.	SPECIFICATIONS	DETAILS
1	Type	<b>Dead Animal Body Incinerator</b>
2	Type of waste	<b>Dead Animal Body</b>
3	Burning Capacity	<b>700-1000kg/Hour</b>
4	Mode of heating	Electrical/Diesel/GAS(CNG/LPG/PNG)
5	Temperature--	
	a)Primary chamber	850deg
	b)Secondary chamber	1450deg
6	Waste feeding	Manual
7	Ash Removal	Manual
8	Equipment	Static
9	Consumption	440v3phase/220v1phase
<b>ENERGY(In Case Of GAS)</b>		
1	Burner	Automatic
2	Fuel in case of LPG	LPG
3	Consumption	perhour10-12Kg
4	Tank/Gas Bank	YES48Cylinders
5	Electrical	Electrical Cant hole wire
6	Consumption	perhour12kw

Sr. No.	SPECIFICATIONS	DETAILS
1	Type	<b>Dead Animal Body Incinerator</b>
2	Type of waste	<b>Dead Animal Body</b>
3	Burning Capacity	<b>700-1000kg/Hour</b>
4	Mode of heating	Electrical/Diesel/GAS(CNG/LPG/PNG)
5	Temperature--	
	a)Primary chamber	850deg
	b)Secondary chamber	1450deg
6	Waste feeding	Manual
7	Ash Removal	Manual
8	Equipment	Static
9	Consumption	440v3phase/220v1phase
<b>ENERGY(In Case Of GAS)</b>		
1	Burner	Automatic

  
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2	Fuel in case of LPG	LPG
3	Consumption	perhour10-12Kg
4	Tank/Gas Bank	YES48Cylinders
5	Electrical	Electrical Cant hole wire
6	Consumption	perhour12kw

**PRIMARY CHAMBER**

1	Type	Static
2	Material of construction	M.S.-5MM
3	Ignition	Automatic
4	Temperature Control	Automatic
5	Inside	High alumina refractory brick Is-8- 994 line with in sulation brick IS 2042-2006
6	Refractory thickness	115mm
7	Temperature	850deg
8	Insulation Thickness	115mm

**SECONDARY CHAMBER**

1	Type	Static
2	Material of construction	M.S.-5MM
3	Inside	High alumina refractory brick Is-8-1994 line withinsulation brick IS 2042-2006
4	Refractory thickness	115mm
5	Temperature	1450deg
6	Insulation Thickness	115mm
7	Gas residence Time	>2Sec
8	Temperature sensor	Thermocouple Cr/Al

**EMERGENCY STACK**

1	MOC	M.S
2	Refractory	Provided

**AIR POLLUTION CONTROL DEVICE-SCRUBBER**

1	Type	Ventury scrubber high pressure jet type
2	MOC	SS316L
3	Temperature at theoutlet	>80°C
4	Scrubbing Media	Ph modified water(caustic Soda)

**RE-CIRCULATION PUMP FOR VENTURE SCRUBBER**


1	Type	Centrifugal
2	MOC	C.I.
3	Piping	GI

**DROPLET SEPARATOR&CIRCULATION TANK(INTERNAL)**


1	Type	Cyclonic
2	Application	To remove moisture
3	MOC	SS316L
4	Recirculation TankMOC	MS3mmthickwith epoxy paint
5	Waterinner&outletvalue	Provided
6	Waste Feeding	Conveyor belt with complete feeding system

**I.D.FAN**

1	Type	Centrifugal
2	MOC	M.S
3	Drive	Direct


  
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<b>COMBUSTION FAN</b>		
1	Type	Centrifugal
2	Modulation	Provided
3	MOC	M.S
4	Drive	Direct
<b>ALARMS-SAFETY MEASUREMENTS</b>		
1	Temperature set	Burner will Shut Off
2	Thermo couples	3Nos.
3	Water Level Switch	1nos.
4	Digital Temp. Controller	2Nos.
5	Water Level Gauge	1nos.
6	Pressure Gauge	1nos.
7	Limit Switch	3Nos.
<b>CHIMNEY HEIGHT</b>		
1	MOC	M.S
2	Type	Self supported Base with additional guy wiresupport
3	Height	30.5mtrsfromgroundlevel
4	Other standard accessories	Sampling Port, Sampling Platform, Etc
5	Paint	Heat Proof Silver/Black
6	Ladder	Till the sampling port

  
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**SPECIAL INSTRUCTIONS TO THE CONTRACTORS/BIDDERS FOR THE E-SUBMISSION OF THE BIDS ONLINE THROUGH THIS e-PROCUREMENT PORTAL**

1. Bidder should do Online Enrollment in this Portal using the option Click Here to Enroll available in the Home Page. Then the Digital Signature enrollment has to be done with the e-token, after logging into the portal. The e-token may be obtained from one of the authorized Certifying Authorities such as eMudhra CA /GNFC/IDRBT/ Mtnl Trustline/SafeScripT/TCS.
2. Bidder then logs into the portal giving user id/password chosen during enrollment.
3. The e-token that is registered should be used by the bidder and should not be misused by others.
4. DSC once mapped to an account cannot be remapped to any other account. It can only be inactivated.
5. The Bidders can update well in advance, the documents such as certificates, purchase order details etc., under My Documents option and these can be selected as per tender requirements and then attached along with bid documents during bid submission. This will ensure lesser upload of bid documents.
6. After downloading / getting the tender schedules, the Bidder should go through them carefully and then submit the documents as per the tender document, otherwise, the bid will be rejected.
7. The BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for that tender. Bidders are allowed to enter the Bidder Name and Values only.
8. If there are any clarifications, this may be obtained through the Municipal Council JAIPUR. Bidder should take into account of the corrigendum published before submitting the bids online.
9. Bidder, in advance, should prepare the bid documents to be submitted as indicated in the tender schedule and they should be in PDF/XLS/RAR/DWF formats. If there is more than one document, they can be clubbed together.
10. Bidder should arrange for the EMD as specified in the tender. The original receipt should be posted/couriered/given in person to the Tender Inviting Authority, within the bid submission date and time for the tender.
11. The bidder reads the terms and conditions and accepts the same to proceed further to submit the bids.
12. The bidder has to submit the tender document(s) online well in advance before the prescribed time to avoid any delay or problem during the bid submission process.
13. There is no limit on the size of the file uploaded at the server end. However, the upload is decided on the Memory available at the Client System as well as the Network bandwidth available at the client side at that point of time. In order to reduce the file size, bidders are suggested to scan the documents in 75-100 DPI so that the clarity is maintained and also the size of file also gets reduced. This will help in quick uploading even at very low bandwidth speeds.
14. It is important to note that, the bidder has to click on the Freeze Bid Button, to ensure that he/she completes the Bid Submission Process. Bids which are not Frozen are.
15. considered as incomplete/invalid bids and are not considered for evaluation purposes.
16. The Tender Inviting Authority(TIA) will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders due to local issues.
17. At the time of freezing the bid, the e-Procurement system will give a successful bid updation message after uploading all the bid documents submitted and then a bid summary will be shown with the bid no, date & time of submission of the bid with all other relevant details. The documents submitted by the bidders will be digitally signed using the e-token of the bidder and then submitted.
18. After the bid submission, the bid summary has to be printed and kept as an acknowledgment as a token of the submission of the bid. The bid summary will act as a proof of bid submission for a tender floated and will also act as an entry point to participate in the bid opening event.
19. Successful bid submission from the system means, the bids as uploaded by the bidder is received and stored in the system. System does not certify for its correctness.

  
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20. The bidder should see that the bid documents submitted should be free from virus and if the documents could not be opened, due to virus, during tender opening, the bid is liable to be rejected
21. The time that is displayed from the server clock at the top of the tender Portal, will be valid for all actions of requesting bid submission, bid opening etc., in the e-Procurement portal. The Time followed in this portal is as per Indian Standard Time(IST) which is GMT. The bidders should adhere to this time during bid submission.
22. All the data being entered by the bidders would be encrypted at the client end, and the software uses PKI encryption techniques to ensure the secrecy of the data. The data entered will not be viewable by unauthorized persons during bid submission and not viewable by any one until the time of bid opening. Overall, the submitted bid documents become readable only after the tender opening by the authorized individual.
23. During transmission of bid document, the confidentiality of the bids is maintained since the data is transferred over secured Socket Layer (SSL) with 256 bit encryption technology. Data encryption of sensitive fields is also done.
24. The bidders are requested to submit the bids through online e Procurement system to the TIA well before the bid submission end date and time (as per Server System Clock). Our terms and conditions:



**Signature of Tenderer with seal**


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**OFFICE OF THE EXECUTIVE ENGINEER (HQ)**  
**JAIPUR MUNICIPAL CORPORATION, JAIPUR HERITAGE**


**NAME OF WORK :- Supply and Installation of animal waste incinerator at slaughter house of Nagar Nigam Jaipur Heritage.**

**H-SCHEDULE**

S. No.	Items	NON SOR ITEM			
		Qty.	Unit	Rate to be quoted	Amount
1	Primary Chamber * Single Chamber Furnace of size 4270 mm X 1980 mm X 1820 mm. * Plate thickness- 5 to 8 mm. * Lining of insulation should be around 250mm-265mm Wall Cermaic Blanketk, High alumina refractory brick IS-8-1994 line with insulation brick IS 2042-2006 * Operation temperature- 800o C to 1000o C. * Emergency stack should be mounted on the secondary chamber * Ash removal doors to be provided for ash collection after combustion. * Ingtion- Automatic. * Temperature Control- Automatic * Material loading- front gate- automatic Secondary Chamber * Operating temperature - 1050o C to 1250o C. * Material of construction- Mild steel with High alumina refractory brick IS-8-1994 line with insulation brick IS 2042-2006. * Made from IS 2062 Grade Mild Steel Materials (Or better) Duty Lined with Insulation Bricks, Refractory Bricks, Hysil Boards. * Burner Mounting Arrangement with refractory Burner block. Furnace Door: Furnace Door Charging & Discharging Side Fabricated From 5mm To 6 Mm Thickness Door Opening & Closing Automatic. Ash Door: * Ash door (with casted cement lining) to remove Nonhazardous ash from the chamber. * Top Inlet bottom smoke discharge for longer gas residence time. * Furnace door charging & discharging side fabricated from 5mm to 6 mm thickness. * Door opening & closing automatic/manual. Refractory: {Complete set of refractory shaped bricks for construction electric cremation of I.S. 8 bricks (approx. 1007nos bricks,insulation 4000 nos. refractory slid for construction of flue duct , as required, refractory heat resistant fire clay , ceramic blanket hysil board, asbestos ropes etc. as required for outer side of the furnace shall be constructed by red bricks by sand and cement as mortars and construction of chimney from basement of roof level including painting I.e. bricks portion shall be painted by two coats of red oxide as primer and to coats of synthetic enamel. (a) Complete lining & assembling of entire cremation chamber according to standard size with proper arrangement of accommodation of heating elements, resting of dead body with sufficient opening for falling of ashes to the ash chamber & sufficient ventilation for fresh air spraying. (b) complete lining and assembling of Entire cremation chamber according to standard size with provision of drawing out aces from the rear side and sufficient Ventilation for Fresh air injection. complete lining and assembling of entire cremation chamber according to the standard size with provision of air inlet supplying by fresh air blower and arrangement of multi ventilation path for fresh air}.	1.00	Lumsum		
2	Supply & fixing the thermocouple of heat sensing range 0° - 1200° C (Cr.-Al) sensor housed in S.S 304 casing of dimension 1200 mm long × 22 mm OD complete encased to and fitted terminal on other and for connection of compensating of 2 cores 0.5 aq. Mm CR-AL for heat sensing from thermocouple to temperature controller covered with asbestos embedded rope about 50 m length as per direction of EIC.	1.00	Lumsum		
3	* Supply and delivery at site, installation, testing and commissioning. * Of fresh air injection system forced draft fan mild steel. * Type: Centrifugal. * Capacity:- 500 Cmh. * Pressure:- 220 Mmwg. * Motor Rating:- 2HP (Kirloskar/Crompton)	1.00	Lumsum		
4	* Supply and fixing the heating element of cacacity 4.5 kw each to be working in supply voltage 240v,50 HZ made from 80/20 NI-CHROME wire of 8 mm SWG on coiled coil from welded S.S studs on grove of existing coil bricks & the studs housed into the ceramic coller tube wrapped with asbestos rope for light fitting including terminal connector of s.s make with 8 mm swag copper ( HDBC) with insulated porcelain bids as per direction of EIC. Quantity -18 Nos Materials-Al/ Nicrome wire. Form- Coil Formation	1.00	Lumsum		
5	Supply and fixing of manifold with a provision of three outlet, complete set and flue damper set, door guider and slide rails set and stainless-steel duct for flue exhaust Path.	1.00	Lumsum		

  
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6	Supply and installation of body charging trolley with motorized mechanism. The trolley shall be made of suitable M.S. chequered plate for platforms complete with roller etc.	1.00	Lumsum		
7	Motorized Door assembly with Motor, Gear Box and wheels and pocket.	1.00	Lumsum		
8	* Ducting size - 324 Mm Dia. * Plate Thickness - 4 to 5mm * The secondary chamber to scrubber ducting line should be lined with refractory lining	1.00	Lumsum		
9	K type	1.00	Lumsum		
10	* The ID fan to be provided with foundation bolts and frame for electric motor. * The air flow control damper should be provided to control air flow of the system. * Type: Centrifugal. * Capacity: 6000 Cmh. * Pressure: 350 Mmwg. * Motor Rating: 7.5 HP. * Qty: 1 Pcs	1.00	Lumsum		
11	* No of Unit-1. * Type - Mud Pump. * Capacity- 1HP, flow-2 -3 LPS, Head- 10m. * Make- Kirloskar/Crompton	1.00	Lumsum		
12	* No of Unit -1. * MOC - SS AISI- 304. * Design Basis - Inlet velocity -1 M/Sec, Retention Period- 2 Sec. * Type- Venturtype. * Size - 800mm x 2500mm, Plate thickness- 5mm to 6mm. * No. of baffle plate-1, Plate Thickness- 5mm. * Spray Coil size- 50mm dia pipe. * Water circuit- Closed. * Efficiency - 93-95%. * Fume Discharge- 1500 Cu.M Per Hour. * Internal Chamber of scrubber & venturi tanks should be completely lined by rubber lining. {S.S AISI-304fabricated Venturi with packed wet Scrubber and accessories complete including piping as reqd. as per technical specification Material construction :-SS AISI 304 Top dia of scrubber :- 800mm Height of scrubber :- 2100mm Position of water spray from top system Water circuit :- closed Efficiency :-93-95 Nozzle Specially designed brass made nozzle. Concentration of particles 150 m/cu. Nominal meter in exhaust air. Velocity of exhaust air :- 1m/sec Fume discharge :- 1500 cu.m per hour Rating of recirculation :- 2H.Pump of Kirloskar/Crompton}.& Etp System.	1.00	Lumsum		
13	Supply, delivery at site, installation, testing, and commissioning of mist eliminator with all accessories complete with SS 304 (as per EIC directions)	1.00	Lumsum		
14	* 30 meters (100 feet) long (from ground level) self supported chimney to be provided with foundation bolts. * Partially conical, rest straight, M.S. segments from bottom to top. top dia- 324mm, bottom dia- 1200 mm. Metal thickness from Ground level to 10m - 16mm, 10m to 20m-8mm, 20m to 30m - 5mm. * 22 mm dia, half thread high tension nut/ bolts with one spring washer and one plain washer. * steel core wire rope 10mm, at distance of 60 feet and 80 feet (3 number each). * Foundation bolts/nuts 35mm dia* 1500 mm long. * Sampling port, Sampling platform. * Paint - Heatproof silver/black. * Ladder- Upto sampling port. {Drought fan 7.5 HP and other accessories suitable for rain protecting hood, SS AISI 304 fabricated ducting to connect existing furnace duct with pollution control arrangements, Recirculation water pump of 2.2HP along with necessary pipeline}	1.00	cum/ km		
15	*Water Tank for Venturi and mist eliminator	1.00	Lumsum		
16	Furnace control panel complete with all necessary switches, contractors, instruments, indicating lamp etc. the furnace control panel will be floor mounting, self-supporting indoor type, dust & vermin proof louver arrangement and fabrication from sheet metal work of 2.5 thick M.S. sheet. The top bottom and the rear door (where the instrument will be mounted) will be made from 3.15 mm thick M.S. sheet. The panel will be painted two coats of red oxide as primer and final by synthetic light grey shade as per IS: 631. INCOMER Main MCCB 3 pole 1 nos MCCB handle 1 nos MCCB spreder link 1 nos Digital vif meter 1 nos CT/200/5 AMP 3 nos IND light R.Y.B 3 nos MCB sp 6A 1 nos Spp 1 nos N.link 1 nos OUT GOING MCB :-16 A TP:- 1 nos MCB 10 A TP :3nos CONTACTOR:-12amp:-1nos Contactor :-9AMP:-3nos O/L REALY-6-10 amp:- 1nos O/L REALY-3-5 amp :- 3 nos Start & stop PB :- 10 nos On IND .Light & Trip ind Light :- 10 nos TB 2.5 mm :- 10 nos TB 10 mm :- 10 nos Contractor 70 amp mnx 70 :- 2 nos Auto man s/s 2 nos Temp meter :-2 nos {* A floor mounted 2 control panel sturdy M.S structure with suitable box made from sheet materials, mounting plates, fitting and key, Ignition transformer, hooter, PVC channel, control fuse, over load relay, indicating lamp, temperature controller cum indicator for the furnace, temperature indicators, etc. Completely fitted and wired. PLC with color display should be provided. * Instruments like temperature sensors or equivalent Rtds, Multispan or equivalent controls, L&T or equivalent switch-gears, etc. to be provided}	1.00	Lumsum		

  
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17	Civil work relted to platform for fixing of furnace ,scrubber ,cyclone ,water tank ( below and above ground level ) foundationchimney as per given specification. Furnace room 50* 40 feet (as per given directions of engineer incharge)	1.00	Lumsum		
18	* All the equipment & components should be coated with 2 coats of Epoxy Heat Resistance paint.	1.00	Lumsum		
19	Maintenance charges of 1st year- in warranty including 1 electrician cum operator and 1 helper, from second year maintenance charges and operation charges for 1 electrician cum operator and 1 helper 3	1.00	Lumsum		
<b>TOTAL</b>					

I/ We hereby accepted rates

Part \_\_\_\_\_ Rate to be quoted

Signature of the contractor With full postal address

  
**Executive Engineer (HQ)**  
**Nagar Nigam Jaipur Heritage**

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