

EAST DELHI MUNICIPAL CORPORATION

REQUEST FOR PROPOSAL

FOR

**OPERATION AND MAINTENANCE OF
MODERN SLAUGHTER HOUSE AND CARCASS UTILIZATION –CUM –
RENDERING PLANT
AT GHAZIPUR, DELHI**

**EAST DELHI MUNICIPAL CORPORATION
DELHI, INDIA**

July-2019

A – Slaughter House

B – Carcass Utilization – Cum – Rendering Plant

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SCHEDULE OF BIDDING PROCESS

| S.No. | Event Description | Date |
|--------------|--|------------------------------|
| 1 | Issue of RFP to applicants | 26.07.2019 |
| 2 | Pre-Bid conference | 06.08.2019 |
| 3. | Last date for receiving queries | 13.08.2019 |
| 4. | Last date for submission of proposals | 12.09.2019 1500 hours |
| 5. | Opening technical proposals | 12.09.2019 1530 hours |

DISCLAIMER

This request for proposal (RFP) is issued by East Delhi Municipal Corporation (EDMC) Delhi, India.

The RFP is not a prospectus or offer on invitation to the public in relation to the sale of shares, debentures or securities, nor shall this RFP or any part of it form the basis of or be relied upon in any way in connection with, any contract relating to any shares, debentures or securities.

In considering an investment, if any, in the proposed project, each recipient should make its own independent assessment and seek its own professional, technical, financial and legal advice.

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This RFP includes certain statements, estimates, projections, designs, targets and forecasts with respect to the Project. Such statements, estimates, projections, targets and forecasts, designs reflect various assumptions made by the managements, officers, and employees, of EDMC, which assumptions (and the base information on which they are made) may or may not prove to be correct. No representation or warrant is given as to the reasonableness, of forecasts or the assumptions on which they may be based and nothing in this RFP is or should be relied upon as a promise representation or warranty.

REQUEST FOR PROPOSAL

Competitive Bidding for Operation and Maintenance of Modern Slaughter House and Carcass utilization–Cum– Rendering Plant at Ghazipur, Delhi

1. East Delhi Municipal Corporation (EDMC) invites Technical from interested and eligible bidders to participate (“Bidders”) in project for operation and maintenance of Modern slaughter house and Carcass Utilization – Cum – Rendering Plant at Ghazipur in Delhi as per this bidding documents consisting of draft license agreement and operation & maintenance requirements and guidelines of the plant.
2. The plant is located at Ghazipur in Delhi at Delhi UP border near NH-24 Highway and approx 32 KM distance from Indira Gandhi International Airport Delhi/ New Delhi, India.
3. The purpose of modern slaughter house is to provide the supply of wholesome meat to the population of Delhi as well as ensuring the standards of hygiene and safety, operational efficiency, and environmental management.
4. In recognition of the operational complexities and environmental risks, the selected operator should work closely with the EDMC to ensure that the slaughter house complex is operated in accordance with the specified performance criteria, rules and regulations.
5. The fees structure/rates approved by EDMC applicable for the shifts earmarked for meeting domestic demand has been enclosed **as Annexure-IX**.
6. The scope of work for the Bidder includes entire operation and maintenance of all three sections of the slaughter house, livestock markets, lairage, utilities, identification system for animals/offals/carcass, delivery of carcass/offal to the respective owners etc. The lessee shall provide adequate number of Veterinary Doctors for ante- mortem and post – mortem of animal/carcasses as per the norms mentioned in Slaughter House Rules 2001 under prevention of cruelty to animals Act 1960. However, over all supervision of technical inspection would be under the Veterinary Doctors deployed by EDMC.
7. The slaughter house facility shall be leased out for operation and maintenance for a period of 10 years as per the provisions of plant license agreement to be entered between the successful bidder and EDMC. The operator shall be allowed to charge a fee for the service rendered in the slaughter house. The approved fees for various services including the slaughtering of animals in shifts earmarked for meeting domestic demand of Delhi, are provided **at Annexure-IX**. The fee is fixed by EDMC based on various factors and the same will be reviewed periodically and any increase, if required at later stage, would be considered and modified by EDMC. The details of the Ghazipur slaughter house facility including utilities and source of revenues from different components of the project are summarized in the revised fee structure and O&M requirements and guidelines for the modern Ghazipur slaughter house **annexed as part III of the RFP**.
8. Modern slaughter house at Ghazipur has been designed and constructed with the following slaughtering capacity per shift (8 hours) with the objective of supplying wholesome meat to the population of Delhi:

- Sheep/Goats - by Halal method - 3000 Nos
- Sheep/Goats - by Jhatka method - 1500 Nos
- Buffalos -by Halal method - 500 Nos

9. Selected bidder shall operate the slaughter house for minimum of two shifts per day exclusively to meet the domestic demand of Delhi. In addition to these two shifts, he will be allowed to operate the third shift for his own use which could be either for domestic or for export purpose. The timings of the two shifts operations to meet the domestic demand would be from 09:00 PM to 05:00 AM and 05:00 AM to 01:00 PM however operation of third may be planned between 01:00 PM to 09:00 PM after allowing sufficient time for daily maintenance/cleaning of plant by the operator. However, EDMC is authorized to change the shift timing as decided by EDMC depending upon the requirement to meet the domestic demand and shall be communicated to the operator by EDMC well in advance.

10. The basic amenities provided in the modern slaughter house are:

- Livestock-Markets (two numbers – for sheep/goat and buffaloes)
- Reception area for animals
- Lairage (resting place)
- Facilities for ante-mortem inspection
- Segregation ward for sick/diseased animals
- Slaughtering lines (total 4 nos) for sheep/goat – Halal (02), Sheep/goat-Jhatka (01) and Buffalo (01)
- Mezzanine floor
- De-hiding, dressing, and washing of carcasses
- Handling carcasses and edible offal
- Tripery operations
- Inspection of meat with bypass holding of unit meat and disposal/destruction in rendering plant
- Chilled room facility
- Laboratories
- Fire fighting system
- HVAC system for slaughter halls and mezzanine floor
- Manure transport through pneumatic system

13. EDMC shall handover all the above facilities to the licensee for a period of 10 years at a nominal lease rental of Rs. 1 per square metre per year. The bidders to note that this rental is in addition to the royalty payment to be made to EDMC as per the financial bid to be submitted by them.

16. An agreement will be signed between EDMC and the selected Bidder (the “license agreement”) clearly specifying the rights and duties of each party. The Draft License Agreement is attached at part II of this RFP.

17. Interested parties may download the Request for proposal documents (the “RFP” documents part-I) from <http://www.mcdonline.gov.in> (including the License Agreement, O & M Manual). Complete RFP Document along with License Agreement, O & M Manual may be obtained from the address given below:

Office of the In charge Dy. Director (VS),
East Delhi Municipal Corporation,
Slaughter House,
Ghazipur, Delhi – 110096
Near National Highway-24, on Delhi, UP Border
Phone No- 9717786993

The request for complete set of RFPs (including the License agreement, O & M Manual Annex) must be accompanied by a non-refundable fee of Indian Rupees **("Rs") 20,000 (Rupees Twenty Thousand Only)** by way of a crossed demand draft (non-refundable) drawn in favour of "Commissioner, East Delhi Municipal Corporation" payable at Delhi, India.

18. For selecting suitable Operator e-bidding process has been planned. Under this process the bidders would be required to submit their technical bid submissions in separate sealed covers, as specified in this document. There are minimum technical, and threshold financial capacity criteria mentioned as qualification requirements to be met by the potential bidder to become eligible for further technical and financial evaluation. The technical submissions of the qualified bidders would be opened for evaluation and those meeting the minimum technical scores would be considered for e-bidding. The e-bidding will be done as per the schedule to be announced after finalisation of technical evaluation.
19. Detailed information on evaluation criteria and methodology is available in **Annex-5 A** hereto.
20. EDMC will not be responsible for any delay, loss or non-receipt of RFP document(s) sent by post/courier.
21. Further, EDMC reserves the rights to accept/ reject any or all applications without assigning any reason thereof.
22. The Technical Proposal must be submitted in a hard-bound form with all pages numbered serially, along with index of submissions. Bidders are required to submit all details only as per the issued formats. In the event of the instructions mentioned herein are not followed and have not been adhered to, EDMC will have the right to reject the proposal.
23. Details regarding Carcass utilization cum Rendering plant are in Part-B of RFP document.
24. RFP submission must be received not later than 1400 hrs on the date for bid opening as indicated in the schedule of bidding process and in the manner specified in the RFP document at the address given below:

Office of the In charge Dy. Director (VS),
East Delhi Municipal Corporation,
Slaughter House,
Ghazipur, Delhi – 110096
Near National Highway-24, on Delhi, UP Border
Ph. 011-6666-7330, 6666-7331, 6666-7559
Mob:- 9717786993

RFP PART I : INSTRUCIONS TO BIDDERS

A. BIDDING PROCESS AND GENERAL GUIDELINES

1.1 Background/Introduction

- 1.1.1 East Delhi Municipal Corporation (EDMC) is responsible for providing various civic services within the limits of the Corporation of Delhi. This also includes the operation and maintenance of slaughter house.
- 1.1.2 Due to the poor hygienic conditions, improper location, manual slaughtering of animals, Hon'ble Supreme Court vide its orders dated 14.07.2004 directed the Municipal Corporation of Delhi to establish modern slaughter House at Ghazipur. In compliance of the directions of the Hon'ble Supreme Court of India the erstwhile MCD had constructed a modern slaughter house at Delhi to shift the then existing slaughter house to Ghazipur.
- 1.1.3 The plant is located at Ghazipur on the Delhi-UP border near NH-24 Highway. The site was chosen because of its isolation from populated areas and its proximity to road network for the delivery of animals and the distribution of fresh meat.
- 1.1.4 The purpose of the new slaughter house is to provide the supply of wholesome meat to the population of Delhi as well as ensuring the highest standards of hygiene and safety, operational efficiency, and environmental management.
- 1.1.5 In recognition of the operational complexities and environmental risks, suitable period is included in the contract that also specifies that the successful bidder receives the slaughter house complex from the existing lessee.
- 1.1.6 EDMC has worked out fee structure and also allowed the operator to run the third shift for its own purpose which can be either for domestic or export purpose and has released this fresh invitation for bidding to select a suitable operator for the Modern Slaughter House at Ghazipur. The fees structure approved by the Corporation meant for meeting the domestic demand has been enclosed **as Annexure-IX**.

1.1.9 The scope of works for the successful Bidder would be:

1. To manage the entire operation and maintenance of livestock market, lairage, all the three sections of the slaughter house, utilities, cleaning of the approach road from live stock market to the lairage, cleaning of internal roads of the complex, identification system for animals/offals/carcass, delivery of carcass/offals to the respective owners etc, compliance of various laws, rules and regulations of EDMC, Government of India and Government of NCT, Delhi for the entire term of the license period i.e. 10 years (as per Data Sheet).

2. To ensure that the project is able to meet the following slaughtering capacity per shift per day:

- Sheep/Goats - by Halal method - 3000 Nos
- Sheep/Goats - by Jhatka method - 1500 Nos
- Buffalos - by Halal method - 500 Nos

3. To operate the slaughter house for a minimum of two shifts per day and may be more than that also. Out of this, operator has to operate two shifts exclusively to meet the domestic daily consumption of meat in Delhi. However, operator may plan the third shift for its own use which could be either for domestic or export purpose. The timings of the two shifts to meet the domestic demand would be from 9:00 PM to 5:00 AM and 5:00 AM to 1:00 PM; however, operation of the 3rd shift may be planned anytime between 1:00 PM to 9:00 PM after allowing sufficient time for daily shutdown of plant by the operator. However, EDMC is authorized to change the shift timing depending upon the requirement to meet the domestic demand and such changes in timings shall be communicated to the operator by EDMC well in advance.

4. It may be noted that the facility has been constructed to meet the domestic demand of Delhi and the objective of allowing one shift for the operator for its own purpose is to make the project economically viable. The operator has to ensure that in the two shifts the plant is able to process and achieve the following operational capacities:

| S.No. | Section | Capacity to be achieved in two shifts | Remarks |
|-------|--------------------------------|---------------------------------------|--|
| 1 | Sheep/Goats – by Halal method | 6000 | Provided there is demand and adequate number of animals are available for processing |
| 2 | Sheep/Goats – by Jhatka method | 3000 | |
| 3 | Buffalos | 1000 | |

6. To ensure that the project meets the stipulated pollution norms and guidelines and compliance with various laws, rules and regulations of EDMC, like Waste Management Rules 2016 etc. Issued by Government Bodies.

1.1.10 The basic amenities that have been provided in the modern slaughter house are:

- Livestock-Markets
- Reception area for animals
- Lairage (resting place)
- Facilities for ante-mortem inspection
- Segregation ward for sick/diseased animals
- Mezzanine floor
- Slaughtering lines (total 4 nos) for sheep/goat – halal (02), Sheep/goat-Jhatka (01) & buffalo (01)
- De-hiding, dressing, and washing of carcasses
- Tripery operations
- Handling carcasses and edible offal

- Inspection of meat with bypass holding of unit meat and disposal/destruction in rendering plant
- Chilled room facility
- Laboratories
- Fire fighting system
- HVAC system for slaughter halls & mezzanine floor
- Manure transport through pneumatic system

1.1.13 On the issue of the disposal of the cattle dung/paunch waste, EDMC is in the process of developing a bio-methanation plant. After its commissioning, the operator has to necessarily supply the dung/paunch waste to the bio-methanation plant. Till the development of bio-methanation plant, EDMC will give necessary permission for the disposal of the dung/paunch waste at the landfill site of EDMC. The successful bidder shall pay the processing charges of dung to the concessionaire as decided during the tender process and will have to sign the tripartite agreement with the concessionaire and EDMC.

1.1.14 Prospective lessee shall develop an identification system for carcasses/offals to be delivered to the respective animals owner at his own cost/expenses.

1.1.15 EDMC shall handover the above facilities to the licensee for a period of 10 years at a nominal lease rent of Rs. 1. per square metre per year. The bidders to note that this rent is in addition to the royalty payment to be made to EDMC as per the financial bid to be submitted by them.

1.1.16 Detailed features of the plant have been provided in the Manual for operation & maintenance requirements and guidelines for Ghazipur slaughter house complex at Ghazipur, Delhi and is enclosed as part III of this RFP document.

1.1.17 The draft of the plant license agreement to be entered between the successful bidder and EDMC is enclosed as Part II of this RFP document.

1.1.18 EDMC invites proposal from the parties interested for operation of the Ghazipur slaughter house complex for a 10 years period.

1.2 Composite bidding process

1.2.1 For selecting a party to undertake the above project, EDMC has planned to carry out a composite bidding process, wherein the interested parties are required to submit the technical proposal and e-bidding among the technically qualified bidders.

All bidders are required to submit their proposal in accordance with the guidelines set forth in this RFP. In order to promote consistency among proposal and minimize potential misunderstandings regarding how the bidders' proposals would be interpreted by EDMC, the format in which bidders will specify the fundamental aspects of their proposals has been broadly outlined in this RFP.

1.2.2 The evaluation of the proposal would be carried out comprising information of the parties on their technical and financial capability of undertaking the project. The bidders qualified in

the technical evaluation may participate in e-bidding process for selecting the successful bidder.

1.2.3 EDMC will issue a letter of intent to the successful bidder.

1.2.4 In this RFP, the term “Bidder” refers to all those qualified applicants that have submitted proposal in response to this RFP “Licensee” refers to the Successful Bidder selected by EDMC to undertake the Operation and Maintenance of this project.

1.2.5 EDMC reserves the right not to follow up this RFP and terminate the entire selection process without any obligation to any of the applicants/Bidders.

1.2.6 The terms used in this RFP and not defined herein shall have the meaning ascribed thereto in the “License agreement” (the part II of this RFP).

1.2.7 The principal contract between the EDMC and the operator will be the license agreement, an agreed draft of which is provided in Part II of this RFP. A prospective Bidder having any comments on the Plant License Agreement may notify EDMC in writing. Bidders should send in their comments on concession agreement ***latest by the Last Date for Receiving Queries*** as given in the schedule of Bidding Process. Any comments on the Concession Agreement should be submitted in the format enclosed **at Annex-7**. In any case, bidders should clearly undertake at the time of submission of proposal that they agreed to abide by all conditions set forth in RFP and any addendum issued thereafter. EDMC is not bound to agree to the comments/suggestions made by the prospective bidders.

1.2.8 The operator would be required to meet the stipulated pollution norms and guidelines and compliance with various Courts, laws, Rules and regulations of EDMC like Waste Management Rules 2016 etc. Issued by Government Bodies.

1.2.9 The confirmation and cross checking of plant and other details provided shall be got done by the Bidder on its own.

1.2.10 Within 30 days from the issue of letter of intent (LoI), the Bidder would be required to enter into the plant License Agreement with EDMC after submission of Performance Guarantee in favour of EDMC (of the amount specified in Data Sheet and as per format provided in **annexure 8**).

1.3 Eligible Bidders

1.3.1 The Bidder may be a single entity or a group of entities (hereinafter referred to as ‘Consortium’), coming together to implement the project. The term Bidder used hereinafter would therefore apply to both a single entity and a Consortium. The purchaser of the RFP document must be the Bidder itself or a member of the Consortium submitting the proposal. The Bidder should submit a power of attorney as per the format enclosed at **Annex 2A**, authorizing the signatory of the proposal to commit the bidder. In case the Bidder is a Consortium, it must comply with the additional requirements for Bidding as Consortium as specified in **Clause 1.4** of this RFP. Member of deliberative wing/officers/officials/employees

of the corporation and their family members are not eligible for participating as bidder directly or indirectly.

1.3.2 At any point of time in the Bidding Process, if required by EDMC, it is the Bidders' responsibility to provide such evidence of their eligibility as per the terms of the RFP, to the satisfaction of EDMC.

1.3.3 One company single or Joint Venture firm shall not be eligible to submit more than one bid, either individually or as a member of a consortium for the same Project. However, a company, single or Joint Venture firm, may be part of different consortium, or a sole Bidder for submitting a bid for separate Projects.

1.3.4 All Proposals must be submitted, duly signed by the Bidder (or a member authorized to sign the Proposal on behalf of the Consortium) under the "Covering Letter for Proposal Submission" the format for which is provided **at Annex 1A** of this RFP.

1.4 Additional requirements for Proposals submitted by a Consortium

1.4.1 In case the Bidder is a Consortium, the members of the Consortium shall furnish a Power of Attorney designating one of the members, as per the Memorandum of Understanding (MOU), as their Lead Member (Lead Member is a member who commits to holds at least 51% of aggregate financial commitment (equity shareholding for the project as per details provided in section C.2 of **Annex 5A**). A prescribed format for submitting the MOU along with the key clauses that should be contained in the MOU is provided **at Annex 2C**. The authorized representatives or the members shall duly sign the Power of Attorney. The Power of attorney shall be furnished on a non-judicial stamp paper of Rs. 100/- duly attested by notary public.

Proposal submitted by a Consortium should comply with the following additional requirements:

- (i) Maximum number of members in a consortium would be limited to 3;
- (ii) Wherever required, the Proposal should contain the information required for each member of the Consortium;
- (iii) One of the Consortium members should have purchased the RFP document from EDMC as specified in the RFP document;
- (iv) The proposal should include a description of the roles and responsibilities of individual members;
- (v) An individual member applying as a sole Bidder cannot at the same time be member of any Consortium applying for this Project. Further, a member of a particular Consortium cannot be member of any other Consortium applying for this Project. Any member who submits or participates in more than one Bid for this Project will be disqualified and will also lead to the disqualification of the Consortium of which it is a member;

- (vi) Members of the Consortium shall nominate one member as the Lead Member. The nomination(s) shall be supported by a power of attorney as per the format enclosed at **Annex 2B** signed by all the members.

1.4.2 Members of the Consortium shall submit a Memorandum of Understanding (MOU) for the purpose of submitting the proposal, as per format attached in **Annex 2C**. The Memorandum of Understanding (MOU) shall be furnished on non- judicial stamp paper of Rs. 100/- duly attested by notary public.

The MOU shall, inter alia:

- (i) These shareholding commitments would be recorded in the Plant License Agreement and no changes thereof would be allowed except in accordance with the provisions of the Plant License Agreement and this RFP. The MOU shall communicate the willingness of the Consortium to subsequently carry out all the responsibilities as Operator in terms of the Plant License Agreement, in case the Concession to undertake the Project is awarded to the Consortium.
- (ii) Clearly outline the proposed roles and responsibilities of each member at each stage and shall commit the minimum equity stake of each member as required under **Clause 1.5** of this RFP.
- (iii) Clearly state that members of the Consortium shall be liable jointly and severally for the execution of the Project in accordance with O&M and Procedural guidelines for operation of Ghazipur Slaughter house and a statement to this effect shall be included in the MOU.
- (iv) Should be accompanied by the Board Resolution (in case of corporate members) and/or undertakings (in case of individual members) of the Consortium, giving authority/undertaking to enter into an MOU with either other members for undertaking the Project and, if successful, to participate and undertake the Project and in case of corporate member to sign and enter into the MOU and execute Power of Attorney for the Project. The format for the Board Resolution/undertaking that must be submitted is provided at **Annex 2D**.
- (v) Should be accompanied by a certified true copy of the Memorandum and Articles of Association (in case of corporate members), notarized copy of the Registered Partnership Deed (in case of partnership firms) and Sales Tax registration number/PAN/TAN (in case of proprietorship firms) and GST Number also.

1.4.3 A copy of the MOU duly notarized, should be submitted with the proposal. The MOU entered into among the members of the Consortium should be specific to this Project and should contain the above requirements failing which the Application shall be rejected as non –responsive. The MOU should be governed by the laws, rules and regulations of India and should be subject to jurisdiction of Indian courts only situated in Delhi/ New Delhi, India.

1.4.4 Any entity which has been barred by EDMC/SDMC/ NDMC/Govt. Of Delhi/Govt. of India from participating in any Projects (BOOT or otherwise) and the bar subsists as on the Proposal Due Date would not be eligible to submit the Proposal, either individually or as member of a Consortium. An Affidavit as per the format in **Annex 2E** should be submitted along with Proposal.

1.4.5 The proposal shall be signed by the duly authorized signatory of the Lead Member and shall be legally binding on all the members of the Consortium.

1.4.6 All witnesses and sureties shall be persons of status and probity and their full names, addresses and telephone numbers/mobile numbers shall be stated below their signature. All signatures in the Proposal documents shall be dated.

1.5 License Period & Estimated value of Project Assets

The Concession/License Period for Operation & Maintenance of the project will be 10 years and provided in the Data Sheet.

The Estimated Project Cost (EPC) of the project is provided at the Date Sheet. The cost provided is only indicative cost of some of the works may not be included.

1.6.1 In case of a Consortium, the Lead Member of the consortium will be required to commit for holding a minimum equity stake equal to 51% of the of the project at all time during the license period.

1.6.4 Any dilution in the above commitment as provided/mentioned by the bidders during submission of bid and in this clause shall not be allowed except as per the provisions of the plant License Agreement.

1.7 Change in Composition of the Bidder

In case a Bidder is Consortium, change in the composition of the Bidder will not be permitted.

1.8 Proposal Preparation cost

The Bidder shall be responsible for all costs associated with the preparation of its Proposal and its participation in the bidding process. EDMC will not be responsible nor in any way liable for such costs, regardless of the conduct or outcome of the bidding process.

1.9 Contents of RFP

The RFP consists of Three parts as listed below and would include any Addenda issued in accordance with Clause 1.11 of Part 1 of the RFP.

| | |
|-----------------|--|
| PART I | Request for Proposal |
| PART II | Draft License Agreement |
| PART III | Manual for operation & maintenance requirements and guidelines for modern slaughter house complex at Ghazipur, Delhi |

As part III of the RFP, a copy of the Manual that includes Plant features operation & maintenance requirements and guidelines for modern slaughter house complex at Ghazipur, Delhi prepared by EDMC for this project is also being made available to the bidders.

1.10 Clarifications

1.10.1 A prospective Bidder requiring any clarification on the RFP may notify the EDMC in writing. Bidders should send in their queries latest on or before the Last Date for Receiving Queries as given in the schedule of Bidding Process. The comments on the Concession Agreement should be notified in format enclosed **at Annex 7 only**. However, it is not binding for EDMC to answer/accept any or all of such queries/comments.

1.10.2 Copies of the response will be forwarded to all purchasers of the RFP, including a description of the enquiry.

1.11 Amendment of RFP

1.11.1 EDMC may modify the RFP by issuing an Addendum before Proposal Due Date.

1.11.2 Any Addendum thus issued shall be part of the RFP and shall be communicated in writing to all the purchasers of the RFP and will also be posted on the EDMC's website. Bidders shall acknowledge receipt of each Addendum in writing to EDMC. EDMC will assume no responsibility for postal delays.

5.11.3 To give prospective Bidders reasonable time in which to take Addendum into account in preparing their bids, EDMC may, at its sole discretion, extend the proposal Due Date and may be communicated through EDMC website.

B. PREPARATION AND SUBMISSION OF PROPOSAL

1.12 Language of the Proposal

The language of Proposal and related documents and correspondence shall be as per the **Data Sheet**. Supporting documents and printed literature furnished by Bidder along with the Proposal may be in any other language provided that they are accompanied by translations in the language as per the Data Sheet and certified by the concerned Embassy/High Commission/Consulate of the country of origin of Bidder, in India. Supporting materials, which are not translated into the language mentioned in the Data Sheet, shall not be considered for evaluation. For the purpose of interpretation and evaluation of the application, translation certified by Embassy/ High Commission/Consulate shall prevail.

1.13 Currency of Proposal and Payments

1.13.1 The currency for the purpose of the Proposal shall be as per the Data Sheet. In case the conversion is required, the conversion to the currency mentioned in the Data Sheet shall be based on the exchange rate (RBI Reference Rate) as was applicable 7 days prior to proposal Due Date. In all such cases, the original figures in the relevant foreign currency and the Proposal currency equivalent thereof must be given. The date used and exchange rate

thereof shall be clearly stated. EDMC reserves the right to use any other suitable exchange rate for the purposes of uniformly evaluating all Bidders.

1.14 Bid Security

1.14.1 Proposals would need to be accompanied by a Bid security in Indian Rupees for an amount as given in the Data Sheet and valid for 45 days beyond the proposals validity. The bid security shall be kept valid throughout the proposals validity period including any extensions in the proposals validity period as given in **Clauses 1.15 and 1.16** and would be required to be extended and further extended if so required by EDMC. Any extension of the validity of the Bid Security as requested by EDMC shall be provided to EDMC, a minimum of seven calendar days prior to the expiry of the validity of the Bid Security, being extended. When an extension of the Bid Validity period is required, Bidders shall not be permitted to change the terms and conditions of their Bids. EDMC reserves the right to reject the proposal submitted by any Bidder who fails to extend the validity of the Bid Security in line with the provisions of this clause.

1.14.2 The Bid Security shall be in the following form:

An irrevocable Bank Guarantee issued by a Bank in favour of EDMC, as per the format set out in **Annex 4A**. For the purpose of providing Bid Security, the “Bank” shall have the meaning specified below and Bank Guarantees issued by the following Banks would be accepted:

I Banks

1. State Bank of India and its subsidiaries
2. Any Indian Nationalized bank
3. Any scheduled Commercial Bank approved by RBI having a net worth of not less than Rs. 1000 crores as per the latest annual Report of the Bank. In case of a Foreign Bank (issued by a bank in India), the net worth in respect of Indian operations shall only be taken into account.

II the acceptance of the guarantee shall also be subject to the following conditions

1. The capital adequacy of the Bank shall not be less than the norms prescribed by RBI
2. The Bank Guarantee issued by a Cooperative Bank shall not be accepted

1.14.3 The Bid Security of those Bidders whose submissions get rejected will be returned within a period of 2 months from the date of intimation of such rejection. The Bid Security of bidders whose Technical proposal gets rejected will be returned with in a period of 2 months from the date of intimation of such rejection. Notwithstanding anything contrary to anything provided in these instructions to Bidders, the validity of the Bid Security of the Successful Bidder, on issue of the Letter of intent by EDMC, should be extended by Operator, till the date on which performance bank guarantee is submitted. The Bid Security shall be returned, subject to the provisions of this clause to unsuccessful bidders within a period of 2 months from the date of announcement of the Successful Bidder. Provided however, that the bid security of the second lowest Bidder as determined on the opening of the Financial Proposal

shall be returned by EDMC on the expiry of the proposal Validity Period of the execution of the plant License Agreement, whichever is earlier, in addition to the above, EDMC will promptly release all bid Securities in the event EDMC decides to terminate the bidding proceedings or abandon the project.

1.14.4 EDMC shall reject the proposal, which does not include the Bid Security.

1.14.5 The entire Bid Security shall be forfeited in the following cases:

- (i) If the Bidder withdraws its proposal except as provided in Clause 1.24;
- (ii) If the Bidder withdraws its proposal during the interval between the Proposal due date and expiration of the proposal Validity period;
- (iii) If the successful Bidder/Company set up by the bidder fails to submit the performance Guarantee in favour of EDMC and incorporates the SPV within the stipulated time.

1.15 Proposal Validity Period

Proposal shall remain valid for a period not less than one year from the proposal due Date. EDMC reserves the right to reject any proposal, which does not meet the requirement.

1.16 Extension of Proposal Validity Period

1.16.1 In exceptional circumstances, prior to the expiry of the original Proposal Validity period, EDMC may request the Bidders to extend the period of validity for a specified additional period. The request and the Bidders' responses shall be made in writing. EDMC reserves the right to reject the proposal submitted by any Bidder who fails to extend the period of validity of its Proposal in line with the provisions of this clause.

1.16.2 The bid validity period of the Successful Bidder shall be automatically extended till the date on which the Performance bank guarantee is submitted to EDMC.

1.17 Project Inspection and Site Visits

The prospective bidder(s), are advised at their own responsibility and risk are encouraged to visit and examine the Ghazipur Slaughter House Plant site and its surroundings and obtain all information that may be necessary for preparing the Proposal. The cost of visiting the site shall be borne by the Bidder. EDMC shall not be liable for such costs, regardless of the outcome of the Bidding process. Interested bidders may give prior intimation to EDMC and get necessary permission for the visits the facility of Ghazipur Slaughter House would be leased out on as is where is basis.

1.18 Bidder's responsibilities

1.18.1 The Bidder is expected to examine the contents of all the documents provided. Failure to comply with the requirements of RFP will be at the Bidder's own risk.

1.18.2 It would be deemed that prior to the submission of the proposal, the Bidder has:

- (i) Made a complete and careful examination of the requirements and other information set forth in this RFP;
- (ii) Received all such relevant information as it has requested from EDMC and
- (iii) Made a complete and careful examination of the various aspects of the project including but not limited to:
 - a. The project site(s)
 - b. Existing facilities and structures
 - c. The conditions of the access roads and utilities in the vicinity of the project site
 - d. Scope of work as per Para1.1.9 of RFP
 - e. Source of revenues and expenditures likely to be incurred by the selected bidder.
 - f. The fees structure approved by EDMC for providing the services for operation of Ghazipur slaughter House
 - g. Ownership of facilities during and after the term of Concession
 - h. Clearances obtained by EDMC for the Project and
 - i. All other matters that might affect the Bidder's performance under the terms of this RFP.

1.18.3 EDMC shall not be liable for any mistake or error or neglect by the Bidder in respect of the above.

1.18.4 Each Bidder shall submit only one proposal in response to this RFP. Submission of more than One proposal by any Bidder shall be sufficient ground for the disqualification of the Bidder. In case, any entity is part of more than one bidder (either a sole bidder or a Consortium), this shall lead to the disqualification of all the bidders in which such an entity is participating.

1.19 Pre-Bid Conference

1.19.1 EDMC will hold a Pre–Bid Conference on the date specified in the Schedule of Bidding Process to discuss the issues related to the project with all the Applicants EDMC on its discretion may also hold further discussion with the Applicants to finalise the technical / commercial /legal parameters and other related issues for the project, before submission of the proposals, which would be common for all the Applicants.

1.19.2 Prior to the pre-Bid Conference, the Bidders may submit a list of queries and propose amendments, if any, to the project requirements and/or the Agreement. Bidders must formulate their Queries/proposed changes and forward the same to EDMC before last date for receiving Queries as specified in the Schedule of Bidding process. EDMC may amend the RFP based on Inputs, provided by prospective Bidders that shall be considered acceptable in its sole discretion.

1.19.3. EDMC, at its sole discretion, may respond to inquiries submitted by the conference attendees after the date of the Pre-Bid conference. Such a response will be sent in writing to all the Applicants who have purchased RFP document, and will qualify as an “Addendum” to RFP.

1.19.4. Bidders may note the EDMC will not entertain any deviations to the RFP at the time of submission of the proposal or thereafter. The proposal to be submitted by the Bidders shall be unconditional and the Bidders would be deemed to have accepted the terms and conditions of the RFP with all its contents and Addendums issued thereafter. Any conditional Proposal shall be regarded as non-responsive and would be liable for rejection. An undertaking to such effect shall be submitted by the bidders as **per Annexure 1A**.

1.19.5 Attendance of Bidders at the Pre-Bid conference, if any, is not mandatory. Venue of pre-bidding meeting will be as mentioned at 1.19.6 below.

1.19.6 All correspondence/enquiry should be submitted to the following in writing by post/courier:

Office of the In charge Dy. Director (VS),
East Delhi Municipal Corporation,
Slaughter House,
Ghazipur, Delhi – 110096
Near National Highway-24, on Delhi, UP Border
Email address : slaughterhousegzp@gmail.com
dirvetedmc@gmail.com

1.19.7 No interpretation, revision or other communication from EDMC regarding this solicitation is valid unless in writing and signed by the competent authority from EDMC.

1.20 Format and Signing of Proposal

1.20.1 The Bidder would provide all the information as per this RFP. EDMC reserves the right to evaluate only those proposals that are received in the required format, complete in all respects and in line with the instructions contained in this RFP.

1.20.3 The Bidder shall prepare and submit the proposal (comprising other submission, Qualification & Technical Proposal, Financial proposal and Bid Security in separate envelopes) as indicated above and in specified numbers of copies. In case of any discrepancies in terms of language or numbers the original proposal will be considered for evaluation.

1.20.4 The pages and volumes of each part of the Proposal shall be clearly numbered and stamped and the contents of the proposal shall be duly indexed.

1.20.5 All documents should be submitted in hard bound form and should be placed in duly marked separate envelope. The proposal should not include any loose papers.

1.20.6 The proposal shall be typed or printed. The proposal shall be signed and each page of the proposal shall be initialled by a person or persons duly authorized to sign on behalf of the Bidder and holding the power of Attorney as per the format provided in **Annex 2A** of this RFP.

1.20.7 The selection of H1 bidder would be done through e-bidding

1.20.8 The proposal shall contain no alterations or additions, except those to comply with instructions issued by EDMC as necessary to correct errors made by the Bidder, in which case such corrections shall be initialled by the person or persons signing the proposal except in case of part 3 that should not have any alterations/additions.

1.21 Sealing and Marking proposal

1.21.1 The Bidder shall seal each Part (other submission, Qualification & Technical proposal and Bid Security) of the Proposal in separate envelopes duly marking each envelope as “Other submissions” or “Qualification & Technical proposal” or Financial Proposal” or “Bid Security” as appropriate.

1.21.2 The Bidder shall put four separate envelopes enclosing the proposal (other submission, Qualification & Technical proposal” and Bid Security) in a single outer envelope and seal the envelope.

1.21.3 The outer envelopes shall clearly bear the following identification.

“Proposal for Operation and Maintenance of Modern Slaughter House and Carcass utilization cum Rendering plant Complex at Ghazipur, Delhi”

1.21.4 Each of the envelopes shall indicate the complete name, address, telephone number (with country and city code) and facsimile number of the Bidder.

1.21.5 Each envelope shall be addressed to:

Office of the In charge Dy. Director (VS),
East Delhi Municipal Corporation,
Slaughter House,
Ghazipur, Delhi – 110096
Near National Highway-24, on Delhi, UP Border

Email address : slaughterhousegzp@gmail.com
dirvetedmc@gmail.com

1.21.6 EDMC reserves the right to reject any proposal which is not sealed and marked as instructed above and EDMC will assume no responsibility for the misplacement or premature opening of the proposal.

1.22 Proposal Due Date and Time

1.22.1 Proposal should be submitted before 1400 hours Indian Standard Time (IST), on the proposal due date, as stated in the schedule of Bidding process, at the address given in Clause 1.21.5, in the manner and form as detailed in the RFP. Proposals submitted by either facsimile transmission of telex will not be accepted.

1.22.2 EDMC may, in exceptional circumstances and at its sole discretion, extend the proposal due date by issuing an Addendum in accordance with Clause 1.11 uniformly for all Bidders.

1.23 Late Proposals

Any proposal received by EDMC after 1400 hours IST on the proposal due date will not be accepted by EDMC.

1.24 Modifications/substitution/withdrawal of proposals

1.24.1 A Bidder may modify, substitute, or withdraw its proposal after submission, provided that written notice of the modification, substitution, or withdrawal is received by EDMC, before or by the proposal Due Date and Time. No proposal shall be modified, substituted or withdrawn by the Bidder after the proposal Due Date and Time.

1.24.2 The modification, substitution, or withdrawal notice shall be prepared in Original only and each page of the notice shall be stamped. The copy of the notice shall be sealed, marked and delivered in accordance with Clause 1.21, with the envelope being additionally marked “**MODIFICATION**”, “**SUBSTITUTION**” or “**WITHDRAWAL**” as appropriate.

C. EVALUATION PROCESS

1.25 Proposal opening Date

1.25.4 The technical proposal shall be opened in the presence of Bidder’s representatives, who choose to attend. Bidders’ representatives attending the proposal opening shall register to evidence their presence.

1.25.6 EDMC would subsequently examine responsiveness of proposals in accordance with the criteria set out in **Clause 1.31**.

1.25.7 After the proposal opening, information relating to the examination, clarification and evaluation of Bids and recommendations concerning the Bid Award shall not be disclosed except as underlined in this RFP.

1.26 Non-Discriminatory and Transparent Bidding Proceedings

EDMC shall ensure that the rules for the bidding proceedings for the project are applied in a non-discriminatory, transparent and objective manner. EDMC shall not provide to any Applicant information with regard to the project or the bidding proceedings, which may have the effect of restricting competition.

1.27 Confidentiality

1.27.1 Information relating to the examination, clarification, evaluation, and recommendation for the Bidders shall not be disclosed to any person not officially concerned with the process. EDMC will treat all information submitted as part of proposal in confidence and would

require all those who have access to such material to treat the same in confidence. EDMC will not divulge any such information unless it is ordered to do so by any authority that has the power under the law to require its disclosure.

1.28 Clarifications

To facilitate evaluation of proposals, EDMC may at its sole discretion, seek clarification in writing from any Bidder regarding its proposal. Notwithstanding anything contained in the RFP, EDMC reserves the right not to take into consideration any such clarification sought by it for evaluation of the proposal

1.29 Bidding Criteria

- 1.29.1 While evaluating financial bids, the sole criteria for selection of Bidder/Sponsor would be the Maximum Royalty offered by the Bidder. The Bidders are required to quote the amount of royalty for each of the ten years and those who offer the highest amount of average royalty would be considered as preferred bidder. The following paragraphs, further clarify the procedure.
- 1.29.2 Royalty, shall be payable by successful bidder to the EDMC on quarterly basis as per conditions laid down in the License Agreement. The License shall pay the royalty in the form of cheque or demand draft in favour of Commissioner EDMC, payable at Delhi in the first week of every first month of every quarter.
- 1.29.3 For the purpose of evaluation, the proposal with the maximum average Royalty would be ranked H1 and other proposals subsequently would be arranged in the descending order as H2, H3 and so on.

1.30 Proposal Evaluation

- 1.30.1 The project may be awarded to the Bidder, who submits a responsive Bid, meeting the minimum technical and threshold financial capacity criteria and offer to enter into a Concession Contract on the best financial terms.
- 1.30.2 The Qualification & Technical Proposals will undergo evaluation as per the criteria and process specified in **Annex 5A of part 1 of RFP**. If the Proposal is found to be satisfactory based upon the qualification evaluation criteria, the Proposal shall be subject to a financial evaluation. EDMC reserves the right to reject the Proposal, which does not meet the technical and financial parameters stipulated in the RFP.
- 1.30.3 **Once the evaluation is completed and operator is selected, any change in the variables, which form the basis of the bidder's financial bid will affect the Concession terms except as provided in the Plant License Agreement.**
- 1.30.4 Proposals not accompanied by "Other Submission" and "Bid Security" shall not be evaluated.

1.31 Test of responsiveness

1.31.1 In Stage I of Proposal Evaluation, the Other Submissions as stated in Clause 2.2 and Bid Security as stated in Clause 2.3 submitted by the Bidders shall be checked for compliance with the requirements of the RFP. Prior to evaluation of Qualification & Technical and Financial Proposals, EDMC will determine whether each Proposal is substantially responsive if it satisfies the criteria below:

- a) The Proposal is submitted with Other Submission as stipulated in Clause 2.2
- b) The Proposal is submitted with Bid Security as stipulated in Clause 2.3
- c) Is received by the Proposal Due Date including any extension thereof pursuant to **Clause 1.22.**
- d) Is signed, Sealed and marked as stipulated in **Clause 1.20 and 1.21.**
- e) Contains all the information in formats specified in this RFP.
- f) Contains all the formats specified in this RFP as per details in the Data Sheet
- g) Mentions the validity period of the Proposal as set out in **Clause 1.15.**
- h) Provides the information in Reasonable detail (“Reasonable Detail” means the details which but for minor deviations, contains the information, which can be reviewed and evaluated by EDMC without communication with the Bidder.) EDMC reserves the right to determine whether the information has been provided in Reasonable Detail.

1.31.2 A Proposal that is substantially responsive is one that conforms to the preceding requirements without material deviation or reservation. A material deviation or reservation is one

- (i) Which affects in any substantial way the scope, quality, or performance of the Project, or
- (ii) Which limits in any substantial way, inconsistent with the RFP, rights of EDMC or the obligations of the Bidder under the Plant License Agreement, or
- (iii) Which would affect unfairly the competitive position of the Bidders presenting substantially responsible bids.

1.31.3 EDMC reserves the right to reject any Proposal which is non- responsible and no request for alteration, modification, substitution or withdrawal would be entertained by EDMC in respect of such Proposals.

1.32 Evaluation of qualification & Technical Proposals

1.32.2 Qualification & Technical Proposal is to judge the Bidder’s based on the evaluation process and minimum threshold requirements as set by EDMC in **Annex 5A.**the details are to be submitted by the Bidders in formats given in **Annex 5B.**

1.32.3 Bidders whose Qualification & Technical Proposals meet the minimum technical capability requirements as set out in **Annex 5A** would be eligible for financial bidding.

1.33 Evaluation of Financial Proposals

1.33.2 The Bidder will be ranked based on the Royalty offered by the Bidders as per e-bidding.

1.33.2 In the event that two or more bidders have quoted same value, EDMC may:

(1) Invite fresh Financial Proposals only from the Bidders offering same Royalty Amount. However, the fresh Financial Proposals, should not have lower Royalty Amount than the one quoted by the Bidders in their original bids.

OR

(2) Take any such measure as may be deemed fit in its sole discretion, including annulment of the bidding process.

1.33.4 EDMC may invite the Highest (H1- Maximum Royalty offered) bidder for negotiations.

1.33.4 Upon acceptance of the financial proposal with or without negotiations, EDMC may declare the successful Bidder.

1.34 Notification

The successful Bidder would be notified in writing by EDMC. EDMC shall endeavour to issue the Letter of Intent (LOI) to the Successful Bidder by the date mentioned against issue of LOI in the Schedule of Bidding Process.

1.35. EDMC's Right to accept or reject Proposal

1.35.1 EDMC reserves the right to accept or reject any or all of the Proposals without assigning any reason and to take any measure as it may deem fit, including annulment of the bidding process, at any time prior to execution of the Agreement, without liability or any obligation for such acceptance, rejection or annulment.

1.35.2 EDMC reserves the right to invite fresh bids with or without amendment of the RFP at any stage without liability or any obligations for such invitation and without assigning any reasons.

1.35.3 EDMC reserves the right to reject any Proposal if:

- (i) At any time, a material misrepresentation is made or uncovered for a Bidder or any of its members
- (ii) The Bidder does not respond promptly and thoroughly to the request for supplemental information required for the evaluation of the Proposal

This may lead to the disqualification of the Bidder, If the Bidder is a Consortium, then the entire Consortium would be disqualified/rejected. If such disqualification/rejection occurs after the e-bidding have been done and the Successful Bidder gets disqualified/rejected. EDMC reserves the right to take any such measure as may be deemed fit in the sole discretion of EDMC, including annulment of the bidding process. Notwithstanding the above, EDMC may debar/blacklist any of the Bidder (S) for their misleading or false representations in the forms, statements etc. for the period to be decided by EDMC.

1.36 Acceptance of Letter of Intent (LOI)

- 1.36.1 Within fifteen (15) days from the date of issue of the LOI, the Successful Bidder shall accept the LOI and return the same to EDMC. The Successful Bidder shall execute the License Agreement with EDMC and also submit a Performance Guarantee in favour of EDMC (of the amount specified in Data Sheet) within thirty (30) days of the acceptance of LOI.
- 1.36.2 In case, the License Agreement does not get executed within thirty (30) days of acceptance of LOI and submission of Performance Guarantee, EDMC reserves the right to invite the second and/or subsequent preferred bidder (S) for discussions/negotiations or may also decide to annul the bidding process or may invite fresh bids for the Project. Only acceptance of LOI without the performance Guarantee shall not be considered as acceptance of LOI and in such a case the entire Bid security submitted by the Successful Bidder shall be forfeited. However, EDMC on receiving request from the Successful Bidder may at its absolute discretion, permit extension of the aforesaid period of 30 days for execution of the License Agreement.
- 1.36.3 EDMC will notify other Bidder that their proposals have been unsuccessful. The Bid Security of second lowest Bidder shall be returned as mentioned in **Clause 1.14.3**. Bid Security of other bidders will be returned as promptly as possible, in any case not later than 2 months from the date of the announcement of the Successful Bidder.

CONTENTS OF PROPOSAL

2.1 Main submission

Each proposal shall include:

- a) A proposal for technical qualification in the prescribed formats (**Annex 5B**)

2.2 Other submission

The other submissions shall consist of:

- a) Covering letter clearly stating the validity period of the proposal in the prescribed format **Annex 1A**.
- b) Power of Attorney for signing the proposal, as per the prescribed format **Annex 2A**.
- c) Power of Attorney in favour of Lead Member, wherever required, as per the prescribed format **Annex 2B**.
- d) Memorandum of understanding (MoU), as per the prescribed format in **Annex 2C** where required.
- e) Board Resolution, as per the prescribed format in **Annex 2D**
- f) Affidavit, as per the prescribed format in **Annex 2E**
- g) Anti-collusion certificate, as per the prescribed format **Annex 3**
- h) Project Undertaking; as per the prescribed format **Annex 4B**.
- i) RFP documents and its annexures, each page duly stamped and signed by the authorized signatory (as per Power of Attorney)

2.3 Bid Security, as per the prescribed format Annex 4A

2.4 The various formats given in Annexures are meant for specific purpose as indicated in table below and to be accordingly used/submitted:

| ANNEX NO. | CONTENTS | FORMAT APPLICABLE FOR |
|-----------|--|-----------------------|
| 1A | Proposal Covering Letter Format | Other Submissions |
| 2A | Format for Power of Attorney for Signing of Proposal | Other Submissions |
| 2B | Format for Power of Attorney for Lead Member of Consortium | Other Submissions |
| 2C | Format for MoU | Other Submissions |
| 2D | Format for Board Resolution | Other Submissions |
| 2E | Format for Affidavit for Non Criminality | Other Submissions |
| 3 | Format for Anti-Collusion Certificate | Other Submissions |
| 4A | Format for Bid Security | Bid Security |
| 4B | Format for Project undertaking | Other Submissions |

| | | |
|----|--|---|
| 5A | Guidelines for evaluation of Bidder technical and financial capability for undertaking | Only For Information |
| 5B | Format for submission for Qualification proposal | Qualification Proposal |
| 6A | Duly filled up price Bid Format | Financial Proposal |
| 6B | Key Assumptions | Only for information |
| 7 | Format for Comments on Draft Plant License Agreement | Separately, Latest By Date of Submission of Queries |
| 8 | Format for performance Bank Guarantee (PBG) | PBG |
| 9. | Data Sheet | Only For Information |

ANNEX 1A

FORMAT FOR COVERING LETTER FOR PROPOSAL SUBMISSION

(On the Letterhead of the Bidder or Lead Member in case of a Consortium)

Date:

To

Office of Incharge, Dy. Dir (VS)
Ghazipur Slaughter House,
East Delhi Municipal Corporation,
Ghazipur, Delhi- 110 096

Dear Sir,

Reg:- Operation and Maintenance of Ghazipur Modern Slaughter House and Rendering Plant Complex at Ghazipur, Delhi.

Being duly authorized to represent and act on behalf of Lead Member (in case of consortium)/Sole Applicant. I, the undersigned, having reviewed and fully understood all of the Proposal requirements and information provided hereby submit the Proposal for the Project referred above.

I am enclosing the Proposal (one original), with the details as per the requirements of this RFP, for your evaluation. The Proposal, including the Bid Security shall be valid for a period of Six (6) Months from the Proposal Due Date and the Bid Security shall be valid up to 45 days beyond the proposal validity period

Dated thisDay of2019__

Name of the Lead Member/Person

Signature of the Authorised Person

..... Name of the

Authorised Person

.....Designation of

the Authorised Person

ANNEX 2A

FORMAT FOR POWER OF ATTORNEY FOR SIGNING OF PROPOSAL

(On Non -judicial stamp paper of Rs 100 duly attested by notary public)

POWER OF ATTORNEY

Know all men by these presents, we (name and address of the registered office of the Sole Applicant I Lead Member/ Member) do hereby constitute, appoint and authorize Mr./Ms. -----
----- R/o (name and address of residence) who is presently employed with us and holding the position of ----- as our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary In connection with or Incidental to the bid of the consortium consisting of ,and (please state the name and address of the members of the consortium) for Operation and Maintenance of Ghazipur Modern Slaughter House and Rendering plant at Ghazipur, Delhi Basis (the "Project, Including signing and submission of all documents and providing information/responses to EDMC representing us In all matters in connection with our bid for the said Project.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

For (Signature)

(Name, Title and Address) Accept

.....(Signature)

(Name, Title and Address of the Attorney)

Notes:

To be executed by the Sole Applicant or all members including the Lead Member in case of a Consortium.

The mode of execution of Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required the same should be under common seal affixed in accordance with the required procedure.

Also, wherever required, the executants(s) should submit for verification the extract of the charter documents and documents such as a resolution I Power of attorney in favour of the Person executing this Power of Attorney for the delegation of power hereunder on behalf of the executant(s).

ANNEX 2B

FORMAT FOR POWER OF ATTORNEY FOR LEAD MEMBER OF CONSORTIUM

POWER OF ATTORNEY

(On Non -judicial stamp paper of Rs 100 duly attested by notary public)

Whereas the EDMC has invited applications from the potential bidders for Operation and Maintenance of Ghazipur Modern Slaughter House Complex at Ghazipur, Delhi on PPP Basis (the "Project") for a specified Concession period (the "Concession Period").

Whereas, M/s -----, M/s-----and M/s (the respective names of the members along with address of their registered offices) have formed a Consortium and are Interested in bidding for the Project and implementing the Project in accordance with the terms and conditions of the Request for Proposal (RFP), Plant License Agreement and other connected documents in respect of the Project, and

Whereas, it is necessary under the RFP for the members of the Consortium to designate one of them as the Lead Member with all necessary power and authority to do for and on behalf of the Consortium, all acts, deeds and things as may be necessary in connection with the Consortium's bid for the Project or in the alternative to appoint one of them as the Lead Member who, acting jointly, would have all necessary power and authority to do all acts, deeds and things on behalf of the Consortium, as may be necessary in connection with the Consortium's bid for the Project.

NOW THIS POWER OF ATTORNEY WITNESSETH THAT:

We, M/s -----, M/s ----- and M/s -----
(the respective names of the members along with address of their registered offices} do hereby designate M/s (name along with address of the registered office) being one of the members of the Consortium, as the Lead Member of the Consortium, to do on behalf of the Consortium, all or any of the acts, deed or things necessary or incidental to the Consortium's bid for the Project, including submission of Proposal, participating in conference, responding to queries, submission of information / documents and generally to represent the Consortium in all its dealings with EDMC, any other Government Agency or any person, In connection with Project until the culmination of the process of bidding and thereafter till the Plant/Land License Agreement is entered into with EDMC

We hereby agree to ratify all acts, deeds and things lawfully done by Lead Member our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney.

Dated this ----- day of ----- 2019_.
Executant{s}}

(To be executed by all the members in the Consortium and accepted by the Lead Member}

Note: -

- The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required the same should be under common seal affixed in accordance with the required procedure.
- Also wherever required, the executant(s) should submit for verification the extract of the charter documents and documents such as resolution/ Power of attorney in favour of the person executing this Power of attorney for the designation of power hereunder on behalf of the Bidder.

ANNEX 2C

FORMAT FOR MEMORANDUM OF UNDERSTANDING (MoU)

(On Non -judicial stamp paper of Rs 100 duly attested by notary public)

This Memorandum of Understanding (MoU) entered into this day of 2019 at

Among
----- (hereinafter referred as" -----") and having office at India Party of the
First Part

And
----- (hereinafter referred as"-----") and having office at India Party of the
Second Part

The parties are individually referred to as **Party** and collectively as **Parties**.

WHEREAS EDMC has invited request for Proposal (Technical and Financial Proposal) from the bidders for Operation and Maintenance of Ghazipur Modern Slaughter House at Ghazipur, Delhi on PPP basis (the "Project") for a specified Concession Period (the "Concession Period").

AND WHEREAS the Parties have had discussions for formation of a Consortium for bidding for the said Project and have reached an understanding on the following points with respect to the Parties' rights and obligations towards each other and their working relationship.

IT IS HEREBY AS MUTUAL UNDERSTANDING OF THE PARTIES AGREED AND DECLARED AS FOLLOWS:

1. That the Parties will maintain the shareholding commitments expressly stated to domicile the Project prior to the start of the implementation of the Project.
2. That the aggregate equity share holding of the Consortium members/ sole applicant (as applicable), shall not be less than 76% (Seventy-six percent) during the 3 years following Commercial Operations Date ('COD') and 51% (fifty-one percent) during the balance remaining Operation Period.
3. That M/s _____ who Is the Lead Member of the Consortium commits to hold a minimum equity stake equal to 51% (fifty-one percent) at all times during the Concession Period.
4. That any dilution in the equity holding by the Parties shall not be allowed.
5. That the Parties shall carry out all responsibilities as Operator in terms of the Plant License Agreement.
6. That the roles and the responsibilities of each Party at each stage of the Bidding shall be as follows:
7. That the minimum equity holding of each Party (in percentage term shall be as follows:

ANNEX 2D

FORMAT FOR BOARD RESOLUTION FOR COMPANIES FOR LEAD MEMBER

"RESOLVED THAT approval of the Board be and is hereby granted to join the consortium with and -----(name and address of the consortium members) for joint submission of bids to EDMC for (Operation and Maintenance of Ghazipur Modern Slaughter House and Rendering plant at Ghazipur, Delhi.

"RESOLVED FURTHER THAT the draft" Memorandum of Understanding ("MoU) to be entered into with the consortium partners (a copy whereof duly initialled by the Chairman is tabled in the meeting) be and is hereby approved."

"RESOLVED FURTHER THAT Mr. -(name), (designation) be and is hereby authorised to enter into an MoU, on behalf of the company, with the consortium members and to sign the bidding documents on behalf of the consortium for submission of the bidding documents and execute a Power of Attorney In favour of ----- to act as the Lead Member.

Format for Member

"RESOLVED THAT approval of the Board be and is hereby granted to join the consortium with, ----- and ----- (name and address of the consortium members) for joint submission of bids to EDMC for Operation and Maintenance of Ghazipur Modern Slaughter House and Rendering plant at Ghazipur, Delhi.

"RESOLVED FURTHER THAT the "draft" Memorandum of Understanding ("MoU) to be entered into with the consortium partners (a copy whereof duly initiated by the Chairman is tabled in the meeting) be and is hereby approved."

"RESOLVED FURTHER THAT Mr. ----- (name), (designation) be and is hereby authorized to enter into an MoU with the consortium members and execute a power of attorney in favour of -----to act as the Lead Member"

ANNEX 2D (Continued)

**FORMAT FOR UNDERTAKING FOR INDIVIDUAL MEMBERS/ FIRMS
On the Letter-head of the individual (In case the member is not a Company or where the Bidder is not a Company)**

Format for Lead Member

I/We -----hereby agree to join the consortium with -----, -----and ----- (name and address of the consortium members) for joint submission of bids to EDMC for Operation and Maintenance of Ghazipur Modern Slaughter House and Rendering plant at Ghazipur, Delhi.

I/We also approve the Memorandum of Understanding ("MoU) to be entered into with the consortium partners.

I/We also authorise Mr. -----(name), ----- (designation) to enter into an MoU with the consortium members and to sign the bidding documents on behalf of the consortium for submission of the bidding documents.

Format for Member

I/We ----- hereby agree to join the consortium with -----, ----- and ----- (name and address of the consortium members) for joint submission of bids to EDMC for Operation and Maintenance of Modern Slaughter House and Rendering plant at Ghazipur, Delhi.

I/We also approve the Memorandum of Understanding ("MoU) to be entered into with the consortium partners

I/We also authorise Mr. ----- (name), (designation) to enter into an MoU with the consortium members and execute a Power of Attorney in favour of to act as the Lead Member"

Each applicant will have to attach its Board Resolution/ Undertaking as the case may be, approving the participation in the consortium, bidding for the Project and authorizing a company official to sign the bidding documents I Power of Attorney to the Lead Member.

ANNEX 2E

FORMAT FOR AFFIDAVIT

(To be given by all single bidders and in case of Consortium to be given separately by each member)

(On Non -judicial stamp paper of Rs 100 duly attested by notary public)

1. I, the undersigned, do hereby certify that all the statements made in our proposal are true and correct.
2. The undersigned also hereby certifies that neither our firm M/s ----- nor any of its directors/constituent partners have abandoned any work on Slaughter House activities including its management in India nor any contract awarded to us for such works have been terminated for reasons attributed to us, during last five years prior to the date of this application.
3. The undersigned hereby authorize(s) and request(s) any bank, person, firm or corporation to furnish pertinent information deemed necessary and requested by EDMC to verify this statement or regarding my (our) competence and general reputation.
4. The undersigned understands and agrees that further qualifying information may be requested, and agrees to furnish any such information at the request of the EDMC.

Signed by an authorized Officer of the Co./firm

Title of Officer

Name of Co./Firm

Date

ANNEX 3

FORMAT FOR ANTI-COLLUSION CERTIFICATE

(On the letter head of the Lead Member / Sole Applicant)

ANTI-COLLUSION CERTIFICATE

We hereby certify and confirm that in the preparation and submission of this Proposal, we have not acted in concert or in collusion with any other Bidder or other person(s) and also not done any act, deed or thing which is or could be regarded as anti-competitive.

We further confirm that we have not offered nor will offer any illegal gratification in cash or kind to any person or agency in connection with the instant Proposal.

Date thisDay of2019. Name of the

Bidder

Signature of the Authorised Person

Name of the Authorised Person

Note:

To be executed by lead member, in case of a Consortium

ANNEX 4 A

FORMAT FOR BIDSECURITY

(To be Issued by a Bank, as defined in Clause 1.14.2 of this RFP)

In consideration of the Municipal Corporation of Delhi (hereinafter called "EDMC" which expression shall include any entity which EDMC may designate for the purpose) having agreed, inter alia, to consider the bid of (hereinafter referred to the "Bidder" which expression shall include their respective successors and assigns) which will be furnished in accordance with the terms of the Request for Proposals for the Project/s (name of one or all the Projects, if bidding for more than one Project) envisaging (hereinafter called the "RFP") In lieu of the Bidder being required to make a cash deposit, we [name of the Bank and address of the Issuing branch], hereinafter called the "Bank" which expression shall include our successors and assigns, as to bind ourselves our successors and assigns to at the instance of the Bidder hereby unconditionally and irrevocably undertake to pay as primary obligor and not as surety only to EDMC without protest or demand and without any proof or condition the sum of Rs..... Lakhs (in words), (Refer to Data Sheet).

1. We, the Bank, do hereby unconditionally and irrevocably undertake to pay forthwith (and in any event within five days) the amounts due and payable under this Guarantee without any delay or demur merely on a written demand from EDMC stating that the amount claimed is due by reason of the occurrence of any of the events referred to in the RFP. Any such demand made on the Bank by EDMC shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, the Bank's liability under 'this Guarantee shall be restricted to an amount not exceeding Rs Lakhs (in words), (Refer to Clause 1.14 and Data Sheet).
2. We, the Bank unconditionally undertake to pay to EDMC any money so demanded under this Guarantee notwithstanding any dispute or disputes raised by the Bidder or any other party including in any suit or proceeding pending before any court or tribunal relating thereto or any instructions or purported instructions by the Bidder or any other party to the Bank not to pay or for any cause to withhold or defer payment to EDMC under this Guarantee. The Bank's liability under this Guarantee is irrevocable, unconditional, absolute and unequivocal. The payment so made by the Bank under this Guarantee shall be a valid discharge of the bank's liability for payment hereunder and the Bidder shall have no claim against the Bank for making such payment.
3. We, the Bank further agree that the Guarantee herein contained shall remain in full force and effect upto and until 1700 hours on the date which falls 45 days beyond the Proposal Validity Period i.e. (hereinafter called the End Date"). Unless a demand or claim under this Guarantee is made on the Bank by EDMC in writing on or before the said End Date the Bank shall be discharged from all liability under this Guarantee thereafter.
4. We, the Bank further agree with EDMC that EDMC shall have the fullest liberty without the Bank's consent and without affecting in any manner the Bank's obligation hereunder to vary any of the terms and conditions of the RFP or to extend or postpone the time of performance by the Bidder or any other party from time to time or postpone for any

time or from time to time any of the powers exercisable by EDMC against the Bidder or any of them and to enforce or to forbear from enforcing any of the terms and conditions relating to the RFP and the Bank shall not be relieved from its liability by reason or any forbearance act or omission on the part of EDMC, or any indulgence given by EDMC to the Bidder or any other party or by any such matter or thing whatsoever which under the law relating to securities would, but for this provision, have the effect of so relieving the Bank.

5. To give full effect to the obligations herein contained, EDMC shall be entitled to act against the Bank as primary obligor in respect of all claims subject of this Guarantee and it shall not be necessary for EDMC to proceed against the Bidder or any other party before proceeding against the Bank under this Guarantee and the Guarantee herein contained shall be enforceable against the bank as principal obligor.
6. This Guarantee will not be discharged or affected in any way by the liquidation or winding up or dissolution or change of constitution or insolvency of any individual member of the Bidder or any other party or any change in the legal constitution or insolvency of the Bidder or any other party or any change in the legal constitution of the Bank or EDMC.
7. We, the bank lastly undertakes not to revoke this Guarantee during its currency except with the previous consent of EDMC in writing.

Notwithstanding anything contained herein.

- a) Our liability under the Bank Guarantee shall not exceed Lakhs (in word), (Refer to Clause 1.14 and Data Sheet).
- b) The Bank Guarantee shall be valid upto [date] and Year.
- c) Unless acclaimed or a demand in writing is made upon us on or before ----all our liability under this guarantee shall cease.

IN WITNESS WHEREOF THE BANK HAS SET ITS HANDS HERETO ON THE DAY, MONTH AND YEAR MENTIONED HEREUNDER.

Signed and Delivered

On behalf of(Bank name)

(Signature)

(Date)

by the hand of Mr
(name of authorized signatory)

Designation

Note: Authenticated copy of Letter of Authority authorizing the signatory of this guarantee to execute the same to be enclosed herewith)

**ANNEX 4B
FORMAT FOR PROJECT UNDERTAKING**

(On the Letterhead of the Sole Applicant/ Lead Member)

PROJECT UNDERTAKING

Date:

To:

Office of Incharge/Dy. Dir (VS), Ghazipur
East Delhi Municipal Corporation,
Slaughter House,
Ghazipur, Delhi – 110096

Email:- slaughterhousegzp@gmail.com
dirvetedmc@gmail.com

Dear Sir,

Reg: - Operation and Maintenance of Modern Slaughter House and Rendering Plant Complex at Ghazipur, Delhi.

We have read and understood the Request for Proposal (RFP) in respect of the captioned Project provided to us by EDMC.

We hereby agree and undertake as under:

1. We have no comments on the Plant License Agreement and on Manual for Operation & maintenance; guidelines and procedures for operating Ghazipur Modern Slaughter House and we agree to bind ourselves by the Plant License Agreement provided as a part of the Bid Documents.
2. We shall abide by the scope of work mentioned under Para 1.1.9 and all the terms & conditions stipulated in this RFP.
3. We have gone through the fee structure approved by EDMC and have made our Independent assessment of revenues and expenses Involved in operation of the plant and based on the assessment are submitting our bid.
4. Any direct or indirect deviations from the terms of the Bid Documents, if any in our Proposal, are hereby revoked unconditionally.
5. It would be our responsibility to run/operate the plant with the following slaughtering capacity per shift per day:

| | | |
|---------------|--------------------|------------|
| • Sheep/Goats | - by Halal method | - 3000 Nos |
| • Sheep/Goats | - by Jhatka method | - 1500 Nos |
| • Buffalos | - by Halal method | - 500 Nos |

6. It would be our responsibility to make sure that the plant runs/operates for two shifts per day for meeting the domestic needs of meat, however, the 3rd shift would be planned for our use to slaughter our animals for domestic or export purpose to make it economically viable.
7. If the Tender Is awarded to us, we shall maintain minimum equity commitment as specified in RFP at all time during the operation concession period.
8. The plant details and source of revenues listed/provided by EDMC, with the Bid Documents is only for indicative purpose and we have validated the same while submitting the proposal.
9. Notwithstanding any qualifications of conditions, whether implied or otherwise contained in our Proposal. We hereby represent and confirm that our Proposal is unqualified and unconditional in all respects and we agree to the terms of the proposed Plant License Agreement, a draft of which also forms a part of the RFP provided to us

Dated this.....Day of2019. Name of the

Bidder

Signature of the Authorized Person

Name of the Authorized Person

Note: To be signed by the Lead Member, in case of a Consortium, authorized to submit the bid

ANNEX 5A

GUIDELINES FOR EVALUATING THE BIDDERS - QUALIFICATION, TECHNICAL & FINANCIAL PROPOSALS

B. Evaluation of Technical Qualification Submissions

The Qualification Proposal is to judge the Bidder's competence and capability and will be established by the following parameters:

(a) Experience as developer, Operator and /or contractor (**Refer B1 for details**)

(b) Financial capability in terms of (**Refer B2 for details**)

(i) Net Worth

(ii) Profit Before Tax (PBT)

On each of these parameters, the Applicant would be required to meet the evaluation criteria as detailed in this **Annex 5A** assesses the quality of technical proposal submitted by the Bidders.

Evaluation of Financial Proposal

The bids found qualified from technical evaluation would be considered for financial opening and evaluation as detailed below

B1. Eligible Experience for Technical Qualification Capability

Under the Technical Eligibility criteria, following experience would qualify as Eligible Experience:

Developer, Operator and or Contractor's Experience in Slaughter House and Rendering Plant

Experience in the role of Operator/Developer or Promoter/ of slaughter house and rendering plant for at least last five (5) years prior to the application submission deadline.

Eligible Experience would be measured only for Eligible Projects.

1. One (1) Project (Slaughter House) with a capacity of running slaughter house of 500 buffaloes, 4500 sheep/goat per day in one or more slaughter houses and marks would be given on prorata basis. However, maximum marks would be for 1500 buffaloes and 13500 sheep/goat per day on prorata basis.
2. The bidders should have operated and maintained a rendering plant of capacity of at least 10 ton slaughter house waste and fallen animals where as maximum marks would be given to the bidder who has operated and maintained a rendering plant of 20 ton capacity or more for slaughter house waste and dead animals. Marks would be given on prorata basis.

- In the event that two or more members of a Consortium have participated in the same Project as Operator only one member should mention the Project. In case more than one Member mentions the same Project, the experience of the Member having the higher equity holding at the time of operation of the Project shall be considered and the experience of the other Member(s) shall not be considered for the purpose of evaluation.

Details of Experience

- The Applicant should furnish the details of Eligible Experience as on Application Due Date.
- The Applicant should furnish **adequate evidence to support its claim as per Annex 5B**, Qualification Response Sheet 5.1 and Qualification Response Sheet 5.2.

B2. Financial Qualification Capability assessment

Financial capability of the Applicants would be judged on the basis of the following:

- (a) Average Aggregate Net Worth during the last five financial years (Qualification Response Sheet No 5.3.1)
 - (b) Average Aggregate annual PBT (Profit before Tax) during the five financial years (Qualification Response Sheet No 5.3.1).
- For conversions, the exchange rate would be the exchange rate (RBI reference rate) as was applicable on 7 days prior to the Proposal Submission Date is to be used. The date and the exchange rate used must be mentioned.

Criteria (a) and (b) of Financial Capability are pass/fail criteria only. The Response Sheets must be supported by a certificate from the Applicant's statutory auditor.

The Application must be accompanied by the Audited Annual Report including balance sheets, Profit and Loss Sheets and Cash Flow Statements of the Applicant (of each member in case of a consortium) for the last five (5) financial years.

Evaluation Criteria for Financial Qualification Capability

For the purpose of financial qualification, an Applicant would be required to demonstrate the Threshold Financial Capability measured on the following criteria:

- a) **The Average Aggregate Net Worth of the Bidder (either sole or consortium) over the last five financial years should not be less than INR 4000 Millions (INR Four thousand Millions only) or equivalent over the last 5 {Five} years.**
- b) **The Average Aggregate Profit before Tax (PBT) of the Bidder (either sole or consortium) over the last 5 years not be less than INR 400 Million {INR Four Hundred Millions Only} or equivalent over the last 5 (Five) years.**

These criteria are only a pass/fail criterion. The Bidder has to pass both the first two criterions, to be eligible for assessment of the financial bidding capacity. However, the bidder having net worth of INR 10000 million and profit of INR 1000 million over the last five years would be given maximum marks on prorata basis.

Evaluation Criteria for a Consortium

In case the Applicant is a Consortium, Eligible Experience and Financial Capability would be taken as an arithmetic sum of the Eligible Experience and Financial Capability of each member of the Consortium. The Consortium would be required to meet the threshold criteria on the basis of aggregate figures subject to the following.

The technical & financial qualification criteria should be met jointly by all the consortium members.

The consortium would need to specify a Lead Member for the Project as detailed below.

- (i) The Lead Member Would Commit to hold a minimum equity stake equal to 76% (Seventy-six percent) during the 3 years following the Commercial Operations Date ('COD') and 51% (Fifty-one percent) during the balance remaining Operation (Concession) Period.

C1. Evaluation of Technical Proposal {Step 3}

The Bidder (sole or consortium) shall submit their technical proposal clearly mentioning the parameters:

| Criteria | Marks |
|--|------------------|
| 1. Similar Project Experience (Experience of Running a Slaughter House of following capacity. Buffaloes 1500 per day and sheep/goat 13500 per day for last five years (marks would be awarded on prorata basis) | 30 Marks |
| 2. Running a Carcass Utilization-cum-Rendering Plant of twenty ton capacity (marks would be awarded on prorata basis) | 20 Marks |
| 3. Experience of lifting of dead animals from a city having population more than 20 lakhs | 10 Marks |
| 4. Management of sheep/goat Livestock Market | 05 Marks |
| 5. Management of buffalo Livestock Market | 05 Marks |
| 6. Experience in Infra-structure related to establishment of slaughter house and or rendering plant. | 05 Marks |
| 7. Strategy and Approach for Operation of slaughter house including ante- mortem, post- mortem examination. Technical staff for managing and operating the Slaughter House, Rendering Plant including Electrical, Mechanical and Civil Engineer and disposal of dead animals from entire Delhi. | 10 Marks |
| 8. Environmental Management Plan regarding (solid waste, liquid waste & gaseous emissions management) the committee will evaluate on the basis of claims made by bidder in technical proposal in the bid | 10 Marks |
| 9. Total worth of the company INR (10000 million, however, the marks will be given on prorata basis) (starting from 6000 million to 10000 million | 05 Marks |
| TOTAL | 100 Marks |

The bidders will be evaluated against a total score of 100 by the evaluation committee. Any Applicant who achieves a score of 75 and above against the total marks of 100 will be deemed to be qualified for the technical capability criteria (based on submissions as per guidelines in Response Sheet No 5.B.4 to the technical evaluation Committee).

D1 Evaluation of Financial Proposal:

The technically qualified bidder would be eligible for e-bidding.

ANNEX 5B

**FORMATS FOR SUBMISSION FOR PROVIDING INFORMATION REGARDING QUALIFICATION
CAPABILITY OF THE BIDDER**

**Qualification Response Sheet No. 5.1
Experience details of the Bidder(s)**

Name of Member

Role of Member.....

| Project Name | Project Cost in Rs. (Millions) |
|---------------------|---------------------------------------|
| | |
| | |
| | |
| | |

For each Project during last 5 years submit qualification response sheet 5.2 as well.

The Applicant should provide the experience details of Projects undertaken by it only. Project experience of the Applicant's parent company or its subsidiary (who are not Members of the Consortium) will not be considered.

In case Applicant is a consortium, the above information should be provided for each member.

In Role of Member specify whether Single Applicant, or in case of consortium specify whether Lead Member or Member

Qualification Response Sheet No. 5.2
Eligible Project Details

Name of Member.....

Role of Member.....

Project Name:

| Particulars | Refer Instruction | Applicant to fill up the details below | | | |
|--|-------------------|--|---------------------------|---------------|---------------|
| Title & Nature of the Project | | | | | |
| Entity for which the project was Developed | 5 | | | | |
| Location | | | | | |
| Project Cost/Certified Billings | 6 | Date | Cost in original currency | Exchange rate | Rs equivalent |
| Date of commencement of Project/Contract | | | | | |
| Date of Completion/commissioning | 7 | | | | |
| Equity shareholding | 8 | | | | |
| Equity shareholding Experience | 9 | | | | |

Instructions:

1. Applicants are expected to provide information in respect of Eligible Projects in this section. The Projects cited must comply with the eligibility criteria specified in Annex 5A section B.1. Information provided in this section is intended to serve as a backup for information provided in accordance with Qualification Response Sheet No.5.1
2. A separate sheet should be filled for each of the Eligible Projects.
3. Role of Member would be Sole Applicant or in case of consortium would be Lead Member or Member
4. Figures may be provided for the past 5 years immediately preceding the Application due date.
5. Projects carried out for: Government Agency (Concession Granter, Counterparty to Concession Agreement, etc.) / Self or own company (parent company/group company). Details such as name, address and contact details need to be provided.
6. For Development experience, Project Cost should be provided.
7. For Development experience, date of commissioning should be provided.
8. For Development experience, the equity shareholding of the Applicant in the Project as on date of commissioning needs to be given.
9. For Development experience, the applicant has to provide his status in the Project i.e. Lead Member, Lead Technical Member, Lead Financial Member or Member as applicable on the date of commissioning of the Project.
10. certificate from the Applicant's statutory auditor in case of Development Projects must be furnished stating the following details:

- (i) Date of completion /date of commissioning of the Project
- (ii) Certified cost of Project

Equity shareholding as on date of commissioning

It should be noted that in the absence of any one of the above, the information would be considered inadequate and would lead to exclusion of the relevant Project in the computation of the Experience Score.

Qualification Response Sheet No.5.31**Financial Capability of the Member (to be submitted by each member of the consortium)**

Name of Member: _____

Role of Member _____

Equivalent Millions

| S.No | Financial information in Rupee equivalent, with exchange rate, at the end of concerned year | 2018-2019 | 2018-2017 | 2017-2016 | 2016-2015 | 2015-2014 |
|------|--|-----------|-----------|-----------|-----------|-----------|
| 1 | Paid up Equity | | | | | |
| 2 | Reserves | | | | | |
| 3 | Revaluation Reserves & Special Reserves(if any) | | | | | |
| 4 | Miscellaneous Expenditure not written Off | | | | | |
| 5 | Profit After Tax | | | | | |
| 6 | Depreciation | | | | | |
| 7 | Non cash expenditures (other than depreciation) | | | | | |
| 8 | Net worth = (Paid up equity reserves) – (Revaluation Reserves + Miscellaneous Expenditure not written off) | | | | | |
| 9 | Net Cash Accruals = Profit After Tax + Depreciation + other non-cash Expenditure | | | | | |
| 10 | Average net worth | | | | | |
| 11 | Average net cash accruals | | | | | |

This information should be extracted from the Annual Financial Statement / Balance Sheet, which should be enclosed, and this response sheet shall be certified by the Statutory Auditor of the Applicant/ Bidder. "Other Non-Cash Expenditure" items (S.No.7) should be individually mentioned along with corresponding amounts.

The Applicant should provide the Financial Capability of its own company. Financial Capability of the Applicant's parent company or its subsidiary (who are not members of the Consortium) will not be considered.

In Role of Member specify whether Single Applicant, or in case of consortium specify whether Lead Member or Member.

Qualification Response Sheet No. 5.3.2

Sample Format for Submission of Equity Financing Plan

Name of the Consortium Member Name of the Lead Member.....

In Rs. Millions

| S.No. | Source | Member 1 | Member 2 | Member 3 |
|--------------|---|-----------------|-----------------|-----------------|
| 1 | Reserves & Surpluses | | | |
| 2 | Bank Facility | | | |
| 3 | Real Estate Liquidation | | | |
| 4 | From Parent /Group Company | | | |
| 5 | Any other Source | | | |
| 6 | Total | | | |
| 7 | Funds commitment as per ratio mentioned Clause 9 Annexure 2 C | | | |

Qualification Response Sheet No. 5.3.3

**FORMAT FOR EVIDENCE OF RESERVES / CASH FOR PARTICIPATION
IN THE EQUITY CONTRIBUTION OF THE PROPOSED PROJECT**

(On the letterhead of the Statutory Auditors of the firm)

This is to certify that M/s. -----Is having unencumbered reserves and surpluses of Rs. ----- in Its accounts.

After reducing the future committed capital investments (till one month before the Proposal submission date), M/s will be having Rs. for investment in new capital investments.

Signed

Name of Statutory Auditor

Qualification Response Sheet No. 5.3.4

**SAMPLE FORMAT FOR EVIDENCE OF ACCESS TO OR AVAILABILITY OF CREDIT
FACILITIES EQUITY PARTICIPATION IN THE PROPOSED PROJECT
BANK / FINANCIAL INSTITUTION CERTIFICATE**

(From any Scheduled Indian Bank or foreign bank or Financial Institution located in India and approved by Reserve Bank of India)

This is to certify that M/s. -----is a reputed company with a good financial standing.

If the contract for the work, namely is awarded to the above firm, we shall be able to provide credit facilities to the extent of Rs. ----- to meet their capital requirements for equity participation in the Project (Name of the Project)

This certificate is issued with the approval of Head Office of the Bank / Financial Institution.

Signature

Name and Designation of the Competent Authority of the Bank / Financial Institution

Name, Address and Phone number of the Issuing Branch

Note: For the purpose of the certificate, Bank / Financial Institution will be defined as under:

1. State Bank of India and its subsidiaries
2. Any Indian Nationalized Bank
3. IDBI or ICICI Bank
4. Financial Institutions as approved by RBI
5. Investment Institutions (e.g. LIC, GIC etc.)
6. NBFC's approved by RBI and having a Net Worth of more than Rs 250 crores
7. Foreign Bank (issued by a branch outside India) with a counter guarantee from SBI or its subsidiaries or any Indian Nationalized Bank
8. Any scheduled Commercial Bank approved by RBI having a net worth of not less than Rs 500 crores as per the latest Annual Report of the Bank. In case of a Foreign Bank (issued by a branch in India), the net worth in respect of Indian operations shall only be taken into account.
9. The capital adequacy of the Bank shall not be less than the norms prescribed by RBI (10 since 31st March 2003)
10. The Bank Certificate issued by a Cooperative Bank shall not be accepted

Qualification Response Sheet No. 5.4

Guidelines for Technical Proposal

Technical Proposal should essentially consist of:

- Bidder's understanding of the project.
- Bidders experience in operation of similar Projects.
- Bidders experience in operation of Infra-structure Projects related to slaughter house and Rendering plant.
- Bidders experience in Operation of Environmental Management Projects.
- Proposed strategy, approach and methodology for operations of the slaughter house and Rendering plant projects.
- Plans for marketing of products/tie-ups.

ANNEX 7

FORMAT FOR COMMENTS ON DRAFT PLANT LICENSE AGREEMENT/BID DOCUMENTS

| Sr. No. | Clause No. | Present Form | Suggested Modification | Reason for Suggestion |
|----------------|-------------------|---------------------|-------------------------------|------------------------------|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| | | | | |
| | | | | |
| | | | | |

ANNEX 8

SAMPLE FORM (UNCONDITIONAL)

Format of Performance Bank Guarantee

To
The Municipal Commissioner
East Delhi Municipal Corporation

WHEREAS _____ [name and address of Contractor] (hereinafter called the Contractor) has undertaken in pursuance of Contract No. _____ dated _____ **for Operation and Maintenance of Modern Slaughter House and carcass utilization-cum- rendering plant at Ghazipur, Delhi** (hereinafter called the Contract); AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a nationalized bank for the sum specified therein as security for compliance with his obligation in accordance with the Contract AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee; NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Rs. [amount of Guarantee] _____ [in words], such sum being payable in Indian Rupees in which the contract price is payable, and we undertake to pay you, upon your first written demand and without cavil or argument any sum or sums within the limits of _____ [amount of Guarantee] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor Shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

The guarantee shall be valid until 90 days of the contract completion/termination date or specified otherwise in Letter of Acceptance (LOA).

SIGNATURE AND SEAL OF THE GUARANTOR: _____

NAME OF BANK: _____

ADDRESS _____

DATE: _____

ANNXURE-9**FEE STRUCTURE APPROVED BY EDMC FOR MODERN SLAUGHTER HOUSE COMPLEX****(Applicable for 2 shift to be run by operator for meeting the domestic need)**

| S.No | Particulars | Fee, In Rs. | Unit |
|-------------|---|--------------------|---------------------------|
| 1 | Vehicle/truck entry fee at Live stock market | 150 | Per vehicle/truck |
| 2 | Facility charges in LS Market (for water, electricity, sanitation) to be realised from LS Commission agents/brokers | 10,000 | Per month for each agent |
| 3 | Rent for hutments near livestock market for unsold animals towards water, food, electricity, sanitation | 10 | Per animal/day |
| 4 | Slaughtering fee for Sheep/goat - including ante-mortem & post-mortem inspection | 75 | Per sheep/goat |
| 5 | Slaughtering fee for Buffalo-including ante-mortem & post-mortem inspection | 450 | Per buffalo |
| 6 | Triperry operations/Sheep-goat | 20 | Per sheep/goat |
| 7 | Triperry operations/Buffalo | 50 | Per buffalo |
| 8 | Fee for delivery of carcass to chilling centres, | 15 | Rs./carcass of sheep/goat |
| 9 | Fee for delivery of carcass to chilling centres, | 200 | Rs./carcass of sheep/goat |

Note: These aforementioned fees/rates are under consideration and likely to be **increased**.

ANNXURE-10

| Additional facilities provided by M/S Frigorifico Allana Private Ltd at Ghazipur Slaughter House | | |
|--|--|----------------------------|
| S.No. | Details of Work | Cost of work (In Lakhs) |
| 1. | Extension of shed at Lairage | 20 |
| 2. | Laundry facility for cleaning of uniforms | 8 |
| 3. | Baby boiler for slaughter house for sterilization of equipments | 4 |
| 4. | Spare Air compressor to provide uninterrupted operation of slaughter house | 38 |
| 5. | Beautification of Entrance | 15 |
| 6. | Online Monitoring System at ETP as advised by CPCB to DPCC | 22 |
| 7. | Blood processing plant | 400 |
| 8. | Separate fallen animal processing plant | 500 |
| 9. | Fresh Rendering Plant | 900 |
| 10. | New Hide Godown | 29 |
| 11. | MRS system for PNG in Boilers | 100 |
| 12. | Cameras at various location | 5 |
| 13. | R.O. Drinking water facility at slaughter house | 4 |
| 14. | R.O. Drinking water facility at slaughter house | 4 |
| 15. | R.O. Drinking water facility at Livestock Market | 7 |
| 16. | Shed at livestock market | 200 |
| 17. | Toilets in livestock market | 10 |
| 18. | Water shower for animals at Lairage | 10 |
| | Total (In lakhs) | 2276 |

Data Sheet

Name of the Project: **Operation and Maintenance of Modern Slaughter House and carcass utilization –cum- rendering plant at Ghazipur, Delhi**

Para 1.1.11 Lease Rental for facility Rs. 1 per square metre per year

Para 1.8 License Period: 10 years

Para 1.7 Estimated value of the Assets to be handed over to the Licensee INR. **4000** Million

Para 1.12 Language: English

Para 1.13 Currency: Indian National Rupee (INR)

Para 1.14 Bid Security INR **3.2** Million

Para 1.14 Performance Guarantee INR **400.0** Million

B **CARCASS UTILIZATION-CUM-
RENDERING PLANT**

Capacity:

20 Ton (Approx)/Batch

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PART – 'B'

**BRIEF BACKGROUND OF CARCASS UTILIZATION- CUM- RENDERING PLANT AT
GHAZIPUR, DELHI**

SECTION-1

INTRODUCTION

INTRODUCTION

Carcass and by-products utilization is of economic and public health importance. With increase thrust on pollution control, their efficient disposal is essential. The economic utilization of dead animals, slaughter house by-products, water and sewage treatment have resulted in up-gradating public health in developed countries. Setting up of carcass and by-products utilization plants would significantly reduce the spread of diseases and produce valuable protein rich meat cum bone-meal of high biological value of animals' feed and as pet foods. It also reduces the feed grounds for vultures and hence saves aircraft from bird hits.

Factors such as social, economic and climatic conditions as well as lack of technical knowhow and efficient processing machinery hampered the development of carcass utilization plants in the capital city of country.

Wealth and Waste

Utilization of dead animals and inedible by-products from slaughter houses has many benefits. According to one estimate among dead animals 30% of cattle, 20 % of buffaloes, 46% goats and 50% sheep on an average are not flayed and 9 million bovine hides and 9 million ovine and caprine skins are lost annually due to non-recovery in India which would be valued about Rs. 1000 crores on current prices. National Commission on Agriculture has recommended establishing chain of carcass utilization centres in the major cities of country for proper utilization of dead animals and by-products.

After flaying, carcasses of dead animals and inedible by-products from slaughter houses and poultry processing plants, these must be rendered to produce valuable meat-meal, bone-meal and technical fat. These products have good demand as feed ingredients of poultry and dairy animals. With the rapid growth of poultry industry, large quantity of protein supplements from animal source are required in order to balance the amino acid content of feed. Amino acids such as lysine and methionine are imported to enrich the animal and poultry feeds. Production of meat cum bone meal will go a long way in contributing to poultry industry growth through availability of better quality feed. Shortage and high cost of edible and inedible oils from plant source limit the fat content in high energy diet for broilers. So, technical fat available from carcass utilization plants will be of immense use to replace the expensive oil. With the growth of leather industry, the demand for skins and hides has increased manifold and prices have also increased sharply.

Animals which die at the slaughter house prior to slaughter as well as carcasses or their parts which have failed to pass meat inspection as fit for human food fall into the category of inedible by-products. Utilization of carcasses of dead animals is far from satisfactory. After flaying, the carcasses are disposed openly outside the villages/towns causing problem of

environmental pollution and spread of infectious disease. Improper disposal also attracts the vultures which pose serious hazard "bird hit" in the airport areas of cities affecting the air traffic safety and causing considerable damage to costly civil and defence aircrafts. With the development of poultry and dairy industries the demand for meat, meat-bone-meal and technical fat has increased and the rates are attractive for these products as feed ingredients. Thus collection and utilization of dead animals and by-products has become a viable economic venture for entrepreneurs to take up this activity.

MODERN RENDERING PLANT AT GHAZIPUR

Carcass utilization plant has been established in Delhi with 20 tons (approximate) processing capacity at Ghazipur, Delhi-U.P. Border nearby Ghazipur Slaughter House on NH-24 to render the dead animals from entire city suburban areas for their efficient disposal to prevent environmental pollution and spread of diseases inedible by-products generated from Modern slaughter house at the same location can also be processed in the rendering plant.

BACKGROUND INFORMATION AND RAW MATERIAL AVAILABILITY

About the state and area of operation

Delhi, nerve centre of India, the heart of the world's largest democracy, is having a total area of 1483 sq. kms., an enclave stretching into Haryana, Delhi has common border with Uttar Pradesh on the eastern side. It is one of the most thickly populated states with a human population of more than 17.5 million.

The Economic nerve of the north, Delhi is highly industrialized with over 1.5 lakh industrial units in Delhi. Agriculture is confined to the villages on the out skirts of the capital.

Today Delhi holds the distinction of one of the most thickly populated and polluted city as well. There is need to keep the city clean, free of environmental pollution, health hazards and safety of air traffic. According to a report 'Indian Air force' spends heavy amounts annually to clear up areas around service airfields. Further, IAF aircrafts are involved in many bird hits every year.

Table-2: Animals for slaughter and cadavers available

| | Incoming | | Mort. | Dead | Total Wt. Kg. | Avail Wt.Kg. |
|--------------|----------|----------|-------|--------|---------------|---------------|
| | Per day | Per year | 0.5% | Weight | | Less hide |
| Buffalo | 1,500 | 547,500 | 2780 | 300 | 834,000 | 759600 |
| Sheep/goats | 10,000 | 3,00,000 | 15,00 | 40 | 60,000 | 55,200 |
| Total | | | | | 894000 | 814800 |

Source: Survey

BENEFITS FROM BY-PRODUCTS

Improved environmental sanitation: Dead animals, blood and trimmings, fleshing, condemned organs from the slaughter house, in fact all the unused offals, attract flies, rats jackals, stray dogs and other vermins thus causing a public nuisance and even danger of spreading diseases.

It is better to produce sterilized, concentrated products suitable either as fertilizers or as components of animal feeds, which not only avoids the environmental problems but assists in generation of income. The process of concentration depends on the moisture content to such an extent where bacterial multiplication is prohibited. Sterilization of the by-products is another basic principle of production; as otherwise diseases may be disseminated by pathogens present in the raw material.

Establishment of carcass utilization-cum-by-products plants also raise the standard of the nearby slaughter house hygiene, since it makes possible the rapid removal of material liable to decompose quickly.

Meat-cum-bone meal as a feed supplement is an excellent source of protein, calcium, phosphorus and vitamin B 12 essential for growth. Such concentrates with low fibre content are important for pig and poultry feed. It can be used in fishponds also. Low grade fats and grease unsuitable for human consumption when mixed into poultry rations @2% not only controls dustiness but also assists in optimum food conversion by action as high calorific fuel with other foods. However, the meat-cum-bone meal and the fat here is mainly from the cadavers (dead animals), thus it may be used as manure rather than a supplement to the feed.

Low quality meat-cum-bone meal obtained from the carcass utilization plant can be used as a fertilizer to enrich the soil with phosphorus.

SECTION-2

GENERAL LAYOUT- MAIN RENDERING PLANT COMPLEX

Modern Rendering Plant is situated away from residential area of Delhi city on NH-24 at Ghazipur. It is surrounded by poultry market, fish market, modern slaughter house. The area of rendering plant complex is adequately large and open with pre-fabricated modernized main building of processing area 500 sq. metres. approx. The complex has well designed Effluent Treatment Plant (ETP) with a capacity of 250 CUM per day. A check post and guard room have also been provided there.

The carcass utilization plant (Rendering Plant) having overhead water tank with storing capacity 250 KL of raw water, separate DG-cum-Electrical Room and boiler room have also been fully developed to make it environment friendly with all modern facilities to treat the effluent/air pollution is available.

2.1 Buildings

2.1.1 Rendering Plant

The total ground floor area of main carcass utilization plant (Rendering plant) is 2135 sqm. (Approx.) The shed area of the building is 1865 sqm and the area of administrative block is 270 sqm (approx.). The shed area is constructed of pre-fabricated building. The building consists of following areas:

(a) Carcass Reception Area

The space for carcass reception area is 225 sqm. Approx. The height of the area from the road level is about 1200 mm to match the truck height where the dead animals can be received and unloaded. The floor of area is of Kota stone providing all drainage system/water facilities etc. the arrangement of mono- rail has also been provided for shifting of dead animals semi automatically.

(b) Skin Room

The size of area is 68 sqm. Approx where the dehiding/skin removal of the dead animal can be done.

(c) Stomach Emptying Room

The room area is 297 sqm. Approx which will be used for removal of stomach etc., of the dead animals.

(d) Buffer Zone

This room is interconnected with stomach emptying room called as Buffer zone having area of 143 sqm. Approx.

(e) Chilling Room

The area of chilling room is approx. 150 sqm. The area of chilling room will be used for storing approx. 80-100 dead animals depending upon their size. The room has been insulated with puff panels with the arrangement of overhead conveyors to maintain the required temperature.

(j) Processing Hall

The area of processing hall is 536.67 sqm (approx.) where the carcasses/dead animals can be processed. This plant is fully modernized with automatic PLC controls. The plant and machinery of the dry rendering plant has been imported by well known companies. The high ceramic tiles 300X200 upto 3 m with epoxy flooring is provided. The drain is covered with hot dip galvanized GI grating.

(g) Store Room

The covered. space of storing MBM/Tallow is approx. 168 sqm.

(h) Workshop

This room will be used for maintenance purposes. The space of area is 80 sqm.

(i) Boiler and Pump Room

This room will be used for steam generation. The oil fired boiler with 10000 kg/per Hour. steam generation capacity has been installed. The room space is 130 sqm. approx. Behind the boiler room hot water (10,000 litres) and condensation tank (15,000 litres) have been constructed for the use of cleaning of the plant

G) Electrical Room

The area of electrical room is approx. 796 sqm. where the main electrical panel/PLC control panels are installed. The entire plant can be operated and controlled from this room.

(k) Administrative Area

The total administrative area is 270 sqm. approx. Office cum-Accounts- (10x8.1x5.3 m) Meeting Room (5.65X4.88 m) Lab (5.65x6.48 m) Lobby (5.04x8.62 m) Change room (7.7x6.56 m) where all the above rooms have been constructed for various uses.

2.1.2 BOUNDARY WALL

The total area of rendering plant is covered with boundary wall of sufficient height. The 230 mm thick brick boundary wall is well-supported by 300x300 RCC columns between two pillars.

2.1.3 MAIN GATE AND SUB-GATE

The design of main gate is hinged type. The size of main gate 5 m width with 2.5 m each leaf. The sub gate is 1.2 m width within the main gate. The construction of main gate is MS box type supported by square bar. The main gate is in front of 12 m wide road.

2.1.4 CHECK POST

The area of check post is 3000x3000 mm (95 sqm). The location of check post is beside the main gate in front of 12 m wide road of the complex with the toilet facilities.

2.1.5. SHED

The covered area of shed is 120sqm. (approx.) in two partitions with wall and rolling shutter.

2.1.6 ELECTRICAL CONTROL ROOM

This building covers the area of 300 sqm approx. This building is beside the 5 m wide road and next to fuel storage tank. The building is used for the power distribution to the entire complex. There are two DG sets of 500 KVA each for stand-by electricity arrangement for the complex. The synchronization of the incoming power supply and DG has been provided to avoid any breakdown.

2.1.7 TRANSFORMER AREA

The location of transformer area is next to electrical control room with a gap of approx. 10m. The area of 100 sqm. has been covered with brick wall boundary. All safety items have been provided in the transformer area.

2.1.8 OVERHEAD WATER TANK

The location of Overhead Water Tank is near the ETP with the storing capacity of 250 KL raw water required for entire complex. The height of Overhead water tank is 18m.

2.1.9 EFFLUENT TREATMENT PLANT (ETP)

The ETP of sufficient capacity (250 KLD) exists in the premises of rendering plant to treat the effluents generated from it. This area consists of a well-designed RCC based equalizing tanks, clarifiers, buffer tank, tube settler, aeration tank, settling tank & dosing tank/drying beds with required capacities.

2.1.10 Works executed by M/S FAPL at its cost

M/S FAPL has executed certain works at his own cost for the smooth running of the project and also to comply the directions of the different environmental authorities i.e. DPCC, CPCB and other statutory norms and also to make the project economically viable. The current lessee has incurred an amount of Rs. 22.76 Crores (Rs. Twenty two crores and seventy six lakhs only). The existing lessee has communicated that if the license agreement continues these additions will remain in use. However, if some new lessee comes it would have to negotiate with the new lessee for providing their cost to M/S FAPL, if due to some reason the negotiations

do not work out then the existing lessee will be free to remove these facilities. The list of works executed by M/S FAPL is placed at **Annexure -10**

SECTION -3**PLANT AND MACHINERY****SECTION-3.1****PROCESSING PLANT****List of Equipments for Rendering Plant**

| S. No. | ITEM | QTY. | DESCRIPTION |
|---------------|-------------|-------------|--|
| 1. | 101 | 01 | LIFT FOR CARCASSES FLOOR LEVEL TO SILO |
| 2. | 102 | 02 | CONTAINER FOR FORKLIFT USE |
| 3. | 103 | 01 | SILO FOR RAW MATERIAL, 30 CBM |
| 4. | 104 | 01 | PRE-BREAKER TYPE, HMB-19 |
| 5. | 105 | 01 | SUPPORT AND HOPPER FOR CRUSHER |
| 6. | 106 | 01 | SCREW CONVEYOR, 0400, LENGTH METRES |
| 7. | 107 | 01 | SCREW CONVEYOR, 0400, LENGTH 5 METRES |
| 8. | 107.1 | 01 | SLIDE GATE VALVE 430X430 MM |
| 9. | 108 | 01 | BELT CONVEYOR WITH METAL DETECTOR |
| 10. | 201 | 02 | FILLING VALVE DN 500 |
| 11. | 201.1 | 01 | CHARGING CHUTE |
| 12. | 202 | 02 | DRY RENDERING COOKER 15,000 LTRS |
| 13. | 202.1 | 02 | PRESSURE TEST CERTIFICATION |
| 14. | 202.2 | 02 | AUTOMATIC MOISTURE CONTROL |
| 15. | 202.3 | 01 | VALVES FOR AUTOMATIC PROCESS CONTROL |
| 16. | 202.4 | 02 | DISCHARGE VALVE DN500 |
| 17. | 202.5 | 02 | LOAD CELL SYSTEM |
| 18. | 203 | 01 | COLLECTING TANK |
| 19. | 203.1 | 01 | PLATFORM FOR COLLECTING TANK |
| 20. | 204 | 01 | CHUTE WITH MAGNET |
| 21. | 205 | 01 | SCREW CONVEYOR, 0230 W DRAIN SECTION |
| 22. | 206 | 01 | SLUDGE SCREW CONVEYOR, LENGTH 7 METERS |
| 23. | 207 | 01 | SCREW CONVEYOR, 0230, LENGTH 4.5 METRES |
| 24. | 301 | 01 | DOSING SCREW CONVEYOR, 0230 |
| 25. | 302 | 01 | FAT SCREW PRESS-HM 3000 |
| 26. | 303 | 01 | SLUDGE SCREW CONVEYOR DIA 180, LENGTH 3 METRES |
| 27. | 304 | 01 | FAT FILTRATOR |
| 28. | 305 | 01 | FAT PUMP WITH INLET TANK |
| 29. | 306 | 01 | FAT TANK WITH AGITATOR 5 M3 |
| 30. | 307 | 01 | PUMP FOR FEEDING DECANTER |
| 31. | 308 | 01 | DECANTER TYPE NX 414 |
| 32. | 309 | 01 | FAT PUMP WITH INLET TANK |
| 33. | 310 | 01 | FAT STORAGE TANK 30 M3 |
| 34. | 310.1 | 01 | CONTROLS FOR FAT STORAGE TANK |

| | | | |
|-----|-------|----|---------------------------------------|
| 35. | 311 | 01 | FAT PU MP WITH INLET TANK |
| 36. | 401 | 01 | SCREW CONVEYOR 230, LENGTH 8.5 METERS |
| 37. | 402 | 01 | COOLING SCREW 0230 L-8.4 M |
| 38. | 403 | 01 | MILLING PLANT TYPE 650/450 |
| 39. | 501 | 02 | CYCLONE HM 1000 |
| 40. | 502 | 01 | AIR-COOLED CONDENSER HM 5000 |
| 41. | 503 | 01 | CONDENSATE TANK TYPE600 INCL FAN |
| 42. | 601 | 01 | ELECTRICAL CONTROL PANEL |
| 43. | 601.1 | 01 | CONTROL CABLES |
| 44. | 602 | 01 | SET OF PIPES |
| 45. | 603 | 01 | ERECTION MATERIAL |
| 46. | 604 | 01 | TRANSPORT HAARSLEV-NEW DELHI |
| 47. | 605 | 01 | SUPERVISION OF INSTALLATION |

SECTION-3.2 UTILITIES

1. Boiler

| | | |
|--|---|---------------------------|
| Max continuous rating (from & At 100°C | : | 10000 kg/hr Packaged, |
| Type of Boiler | : | Smoke Tube |
| Three pass, | | |
| | | Wet back boiler |
| Model No. | : | PETR OPAK/100 |
| Design Code | : | Indian Boiler Regulations |
| Safety Valve set pressure | : | 10.54Kg/cm ² |
| Thermal Efficiency (NCV) as BS: 845 Pt. | : | |
| 1 Indirect Method | : | 92% + -2% |
| Fuel consumption on NCV of oil 9650 Kcal/Kg: | : | 608 kg/hr. |
| Blower details | | |
| Type | : | Centrifugal Direct Drive |
| Motor | : | 30 HP |
| FUEL OIL PUMP DETAILS | | |
| Type | : | Gear with internal |
| pressure | | regulating Bypass |
| Motor | : | 5 HP |
| FEED PUMP DETAILS | | |
| No. of Pumps | : | 02 nos. |
| Type | : | Multistage centrifugal |
| Motor | : | 15 HP |
| Electric Preheater KW | : | |
| 36 | | |
| Load Capability | : | 100% |
| BOILER VALVE SIZING | | |
| Steam Stop Valve | : | 125mm |
| Safety Valves (2 nos.) | : | 50 mm |
| Feed check valves (2 nos.) | : | 50 mm |
| Blow down valve | : | 40 mm |
| FEED WATER SPECIFICATIONS | | |
| Hardness as CaCO ₃ | : | 0.5 ppm max |
| pH | : | 8.5-9.5 |
| Dissolved Oxygen | : | 0.1 ppm max |
| Oil Content | : | Nil |
| TDS | : | 500 ppm max |

FUEL SPECIFICATIONS

| | | |
|-----------------------------|---|-----------------|
| Fuel | : | PFO/LSHS/FO/LDO |
| Net Calorific Value of Fuel | : | 9650 Kcal/Kg |
| Acidity, Inorganic | : | Nil |
| Ash. % by Mass | : | 0.1 max |
| Flash Point | : | 66°C |
| Sediment, % by mass | : | 0.25 max |
| Water, content, % by Volume | : | 1.00 max |

2. Water Treatment Plant (Softening Plant)

Hard water contains dissolved minerals which are not present in soft water and these minerals give hard water its particular characteristics. The minerals that contribute to water hardness are calcium and magnesium, mainly in combination with bicarbonate, sulphate and chloride. It is the calcium and magnesium together with bicarbonate, which contribute to the problems linked to water hardness. When hard water is heated above 61°C (or as it evaporates) the balance between the dissolved minerals is upset and the bicarbonate converts into carbonate. This leads to the precipitation of calcium carbonate. To simplify the description of the amount of hardness in the water, the dissolved minerals present are considered to be calcium carbonate (the main component of scale). The amount of hardness present should therefore be described as mg (or ppm) as calcium carbonate equivalent.

The following details are provided for water specification:

WATER SPECIFICATIONS

| | | |
|---|---|---|
| Water Hardness | : | 0.5 ppm max. |
| Total Alkalinity (as CaCO ₃) of | : | 700 ppm max. but not exceeding 20% TDS 350 ppm max |
| Caustic Alkalinity (as CaCO ₃) | : | 350 ppm max |
| pH | : | 10.5-12 |
| Unreacted Sodium Sulphide (as Na ₂ So ₃) | : | 30-50 ppm |
| Phosphates (as Po ₄) | : | 20-40 ppm |
| TDS | : | 3000 ppm max |
| Residual Hydrazine (as N ₂ H ₄) | : | 0.5 ppm max. |

3. Diesel Generator

| | | |
|--------------|---|------------------------------|
| Quantity | : | 2 Nos. |
| Make | : | Cummins/Kirloskar/equivalent |
| Type | : | Silent DG |
| Capacity | : | 500 KVA each |
| Power Factor | : | 0.8 |
| Volt | : | 415 |

RPM : 1500

4. Cold Water and Hot Water

An overhead water tank of 250 KL capacity has been built to supply the water. This overhead tank will provide adequate cold water for the entire Carcass Utilization-cum-Rendering Plant, laboratories including administrative block and also housing block with adequate pressure. Where high pressure is required special pressurizing equipment is provided. The list of equipments for cold water system is given below:

| S.No. | ITEMS | SPECIFICATIONS |
|------------|---|---|
| (1) | MAIN HALL | |
| I | Hydro-pneumatic Pumps of appropriate capacity | |
| II | Main Pipe Line Distribution, GI Pipeline with fittings from | |
| | Overhead water tank to Hydro-pneumatic pump inlet | Jindal/TATA/Prakash/Surya / equivalent make 'B' |
| | Hydro-pneumatic Pumps interconnection with | |
| | -NRV | DRP/Kirloskar/IVC Elcone/equivalent |
| | -Ball Valve/Gate Valve | DRP/Sant/Leader/Glow equivalent |
| | -GI Pipeline with fittings distributions for all Plant & Machinery, washing facility, as required | Jindal/TATA/Prakash/Surya / equivalent make 'B' Class |
| | -Ball Valves/Gate Valves | DRP/Sant/Leader/Glow equivalent |
| III | Toilets & Scrubbing: Room | |
| - | -G 1 Pipe From Pump Room (i.e., Pump input) to toilets and scrubbing room | Jindal/TATA/Prakash/Surya / equivalent make 'B' |
| | -GI Pipe fitting, Valves & Accessories | DRP/Sant/Leader/Glow equivalent |
| (3) | ADMINISTRATIVE BUILDING | |
| | -Main Pipe Line From Overhead Tank to Administrative Building | Jindal/TATA/Prakash/Surya / equivalent make 'B' |
| | Oil Pipe Inside the Building for Toilets | Jindal/TATA/Prakash/Surya / equivalent make 'B' |
| | Wash Basins & others, GI pipe fittings, valves and accessories | |
| | CST (@ 10% on pipes | |
| | | |
| | ADDITIONAL ITEM | |
| 1 | GI pipe work for Greenery and washing of Common area form Over head water tank all around the complex | Refer enclosed detailed specifications |
| 2 | GI fittings (Elbow, tee etc.) | |

5. Chillers

The chiller will be used for storing the dead animals. The chiller is made of 100 mm thick puff insulated panels with arrangement of overhead conveyors. The refrigeration unit has been installed to maintain the 4°C temperature (Approx.).

6. Material Handling Equipments

| | | |
|---------------------------|---|------------------|
| Quantity | : | 1 No. |
| Model | : | DVX I 5FC BC HVM |
| Capacity | : | 1500 kg |
| OAH | : | 2360 mm |
| Free Lift | : | 100 mm |
| Turning Radius | : | 2350 mm |
| Fork Length | : | 1070 mm |
| Overall width | : | 1260 mm |
| Overall length with forks | : | 3475 mm |
| Fork spread (adjustable) | : | 260-965 mm |
| Traveling speed (loaded) | : | 17 km/h |
| Tilt forward/backward | : | 6°/112° |

7. Compressed Air Supply

One compressor of ELGI make is installed at Rendering Plant to take care of continuous compressed air supply for operating the plant.

For and above these equipments / facilities the existing lessee has created more facilities which it may remove or a cost may be finalized after negotiation with FAPL (lessee) which will have to be paid to the FAPL by the successful bidder. In case negotiation is not done the successful bidder would have to develop facilities as per the requirement after approval from EDMC.

SECTION -3.3 SAFETY EQUIPMENTS

Fire Fighting System

| SI. No. | Description | Qty. | Unit |
|-----------|---|------|------|
| A. | FIRE FIGHTING SYSTEM | | |
| 1. | Single Headed GM ISI oblique Hydrant Landing Valve-IS:5290 | 17 | Nos. |
| 2. | Fist Aid Hose Reel Wall Mounting swinging type with 20 mm | 7 | Nos. |
| 3. | RRL Hose as per IS:636-15 M | 34 | Nos. |
| 4. | GM 63 mm dia Short Branch Pipe | 17 | Nos. |
| 5. | MS Hose door, 16 G MS Sheet. | 3 | No. |
| 6. | GM Fire Brigade Connection-4 Way | 2 | No. |
| 7. | Weather Proof Hose Cabinet, 16 G MS Sheet. Size:O.75rnX0.6mX0.25m | 17 | Nos. |
| 8. | GM Fire Brigade Draw Out connection, with 100 mm dia Foot Valve and Pipe. | 1 | |
| 9. | MS Pipe- Medium (O/G) as per IS:I 239 (M). | | |
| | 150 mm dia | 12 | Mtr. |
| | 100 mm dia | 24 | Mtr. |
| | 80 mm dia | 40 | Mtr. |
| | 25 mm dia | 12 | Mtr. |
| 10. | MS Pipe- Medium (O/G) as per IS:I239 (M) with Anti- Corrosive Treatment and Excavation | | |
| | 150 mm dia | 355 | Mtr. |
| | 100 mm dia | 275 | Mtr. |
| | 80 mm dia | 35 | Mtr. |
| 11. | Butterfly Valve, PN 1.0- | | |
| | 150 mm dia | 6 | Nos. |
| | 100 mm dia | 2 | Nos. |
| | 80 mm dia | 4 | Nos. |
| 12. | 25 mm dia Ball Valvc. | 7 | Nos. |
| 13. | Valve Chamber (1200XI200XI000 mm) | 8 | Nos. |
| B. | FIRE PUMPS & ACCESS | | |
| 1. | Elect. Driven Main Fire Pump-2280 LPM, 70 M Head 2900 RPM with 100 mm By-pass line and 60 HP TEFC Electric Motor. | 1 | Nos. |
| 2. | Diesel Driven Fire Pump-2280 LPM, 70 M Head 1800/1500 RPM with 100 mm By-pass line and suitable | 1 | Nos. |
| 3. | Jockey Pump-180 LPM, 70 M Head 2900 RPM with 15 HP TEFC Elect. Motor. | 1 | Nos. |
| 4. | Elect. Motor Control Panel for Automatic Operation of above pumps with Battery charger for diesel engine | 1 | No. |
| 5. | Air Vessel-200mmXI 000mmX6mm Thick with ARV & Stop | 1 | No. |

| | | | |
|----------|--|----|------|
| | Valve. | | |
| 6. | Wafer type NRV | | |
| | 150 mm dia | 2 | Nos. |
| | 80 mm dia | 1 | No. |
| 7. | Butterfly Valve, PN 1.0 | | |
| | 80 mm dia | 2 | Nos. |
| | 100 mm dia | 3 | Nos. |
| | 150 mm dia | 2 | Nos. |
| | 200 mm dia | 2 | Nos. |
| 8. | Power and Control Wire/Cable and Single Earthing with Pressure Switch. | | Lot |
| 9. | 100 mm dia Dial Type Pressure Gauges | 4 | Nos. |
| c | FIRE EXTINGUISHER | | |
| 1. | Water C02-9 Lt. | 20 | Nos. |
| 2. | C02-4.5 KG | 20 | Nos. |
| 3. | C02-6.8 KG | 2 | Nos. |
| 4. | Foam Type-9 Lt. | 2 | Nos. |

SECTION-4

PROCESS DETAILS

PROCESS DESCRIPTION OF RENDERING PLANT

Rendering of dead animals and the products of Slaughter House.

1. By using moving suspended crane (3 Nos) the animal will be de-loaded on the cradle. These cradles will be used for de-hiding, opening of stomach.
2. Dehiding knives pneumatically operated through compressed air will be used for de-skinning the animals quickly. Offal and paunches/intestine will be removed and dumped into SIS offal Container. The hide removed will be stored in hide room. Offal collected in SS container will be opened, cleaned and washed in the designated area. The outer shall be send for Rendering in an offal container to the lift for carcasses floor level to Silo manual extricate collected after opening of stomach will be disposed off by the lessee at a nominated area decided by EDMC. The carcass will be transferred through the cradle to the separated clean area of reception by using 1 moving suspension crane. The animal will be transferred to container by fork lift
3. The raw material other than Dead Animals or Small Animals like Goat, Poultry- waste (if any) fish-waste arrived in the plant will be collected in container, which would ultimately be transferred into Silo.

RAW MATERIAL SECTION

4. The raw material will arrive in container for fork lift use. Raw Material from outside can contain foreign objects and therefore a metal detector has been provided to protect the press and other equipments. This material will be lifted through, lift for carcasses and transported to Silo which transfer the material to pre-breaker and crushes the raw material down. A screw conveyor positioned under the breaker will then transport the broken material to high level where the distribution screw fill the material down into dry melter A or B.

PROCESSING

5. The automatic filling valve will be opened for filling on dry melter A or B.

The dry melter agitator will start up then rotates before the material is conveyed into it by screw conveyor. Screw conveyor will feed either dry melter A or B. A slide gate valve will be used to close the outlet of A, when we are filling dry melter B.

With the automatic filling valve, the dry melter will be loaded without charging chute item.

With the load cells the amount of material in the dry melter is known and will stop the filling of the dry melter when it is full and will stop the raw material handling system. When the dry melter is filled with material the filling valve will be closed.

The steam coming from boiler would heat up the dry melter to 100 C and after approx. 100 minutes the vapour vent-valve will be closed in order to build up the pressure to 3 bar absolute for 20 minutes at 133 C and start the sterilization according to EU regulation. When the product is sterilized according to the EU regulation the pressure is released slowly to atmospheric pressure. When the desired and pre-set moisture level is reached the automatic moisture control [which will be mounted on the main control panel] will give a signal and the dry melter will stop and is now ready for discharge. By using automatic discharge valve, cooked and sterilized material will be automatically discharged into collecting tank by reversing the agitator.

6. GREAVES HANDLING

From the collecting tank the greaves will be conveyed by screw conveyor over a drain screen to the horizontal screw from the screen on Screw Conveyor fat and fines are coming out. Sludge screw will be used to convey this material to the fat filtrator.

From the horizontal screw a dosing screw ensures a correct amount of material to the press The surplus material is conveyed to the inclined screw and back to the collecting tank from the drain screen on screw conveyor the free fat is conveyed through sludge screw to the fat filtrator The fat screw press separates the hot greaves in press cake and oil. The press cake is conveyed to the mill by cooling screw item 402 and oil is sent to the fat filtrator.

7. MEAL HANDLING

The cooling screw ensures a proper cooling of the press cake before it reaches the milling plant at the milling plant the press cake is reduced to a suitable particle size and bagged off.

8. OIL HANDLING

The free fat from the drain screw is collected and conveyed by sludge screw to the Fat filtrator from the press the free fat is sent to the same fat filtrator. The fat filtrator separates fines larger than 1 mm from the fat. The separated fat is pumped to the fat tank. The agitator in the tank ensures that the fines will not settle. The feed pump for decanter feed the decanter and from the decanter, the oil is pumped to storage tank with pump. The fines from the decanter are falling down to screw conveyor item and goes back to the collecting tank. Fat Pump is required to transfer the oil from tank to truck.

9. CONDENSATION

The vapour from the dry melters will enter into the cyclone where the speed will be reduced and the eventual particles will remain. The particles or sludge left in the cyclone is discharged by opening the sludge outlet into screw conveyor.

The vapour after passing the cyclone enters the air-cooled condenser three fans will start and stop according to the temperature of condensate. Platform for condenser will be used for inspection. Non-condensable, gases and condensate will be separated, the condensate will be pumped to ETP for treatment and non-condensable gases would be sent to boiler and chimney.

Dry Rendering Plant

Dry rendering method is suggested to convert the carcasses and slaughter house inedible by-products into meat and tallow. In this method yield is significantly higher than wet rendering as water soluble materials and valuable nutrients are not lost.

A dry renderer is a horizontal double walled steam jacket equipped with a set of agitators which keeps the charge in continuous motion for uniform heating and to prevent charring. The dry heat transmitted from steam jacket to the raw material converts the moisture present in it into steam which gradually builds up internal pressure. This steam pressure combined with agitation disintegrates the material and breaks down the fat cells. Carcasses, meat chunks and offals are cut into about 50X50 mm size pieces using pre-breaker and are fed into dry renderer and steam pressure gradually raised. The drying process raises the raw material temperature to 125° C. sterilizing the raw materials at 133° C for 20 minutes at 3 bar and releasing of steam to settle and discharge door is opened. The fat meat and bone discharged into a heated percolator below the renderer door. With the agitator revolving, the solids fall into the percolator. The solid residues are known as cracklings and the fat is

collected at the bottom of percolator. The residual fat in the cracklings can be further reduced by 20 mm depending on the materials and level of fat extraction required. The solids are pulverized and then packed and stored in a clean dry place. A cyclone and sacking unit facilitates the powder packaging direct from mill. The meat meal should not contain more than 8% moisture and 10% fat.

Fat settling tank is a vertical double walled steam jacket with a cone shaped bottom. Fat collected from percolator tank and screw press is pumped into the tank and heated. Fat is allowed to settle after adequate heating. Clear fat is discharged through side outlet while sludge is removed from bottom outlet. Fat is treated with approved antioxidant to inhibit the development of rancidity.

Process description

Carcasses and meat offals are collected in the carcass reception area. Meat, offal and small carcasses can be collected in the offal containers. Bigger carcasses such as goats, sheep, pigs, cattle, etc., are lifted to the pre-breaker. The pre-breaker will crush the carcasses down to a particle size of approx. 60X60X60 mm. The pre-broken material is collected below the pre-breaker in the offal containers. Meat offal and pre breaker carcasses are lifted in the containers to the cookers. The cooker can be loaded with max. 300 kg (approx.). The cooker can be loaded with either meat offal or carcasses. In the cooker, the waste is agitated and heated to melt the fats, drive off the moisture and sterilize the product. The moisture control will indicate when the process is finished. After processing the greaves are emptied into the percolating tank by reversing the rotation of the cooker agitator, and the cooker can immediately be loaded and start processing again. The percolating tank is equipped with sieve plates which allow free fat to drain off. The greaves are manually loaded into the centrifuge basket. The basket is fitted into the centrifuge. The centrifuge the meal and fat will be separated by means of centrifugal force. After separation, the basket containing the meat is lifted from the centrifuge to the cooling platform.

The defatted meal is manually fed into the milling unit. The hammer mill will reduce the size of the meat and bone particles to normal feed standards. After milling, the meat is collected in bags directly from the hammer mill.

The fat drained of from the percolating tank and the fat extracted in the centrifuge is pumped to the fat settling tanks by steam pressure. After settling, the fat can be filled into barrels for storage.

The evaporated water from the carcass/offal processing is cooled and subsequently condensed in the direct contact condenser. This is done in order to minimize the odour occurring from the cooking process.

Quality Control and Packaging

Quality requirements

The dry, defatted and high protein material which results from rendering may vary depending

on raw material used and on the processing method employed. Meat cum bone-meal should not contain hair, hoof, horn, manure and stomach contents except in such traces as might occur unavoidably in good factory practice. The typical composition of meat cum bone-meal used is furnished below:

Table-5:Composition of meat cum bone meal

| Parameter | 50% Meat | 45% meat meal |
|--|---------------------|--------------------------|
| Crude protein (%) | 50 | 45 |
| Moisture (%) | 4-10 | 4-10 |
| Pepsin digestible protein (% min of crude protein) | 87 | 87 |
| Available Lysine (%) (% min of crude protein) | 71 | 71 |
| Sodium Chloride (% max) | 1 | 1 |
| Calcium (%) | 8-11 | 8-11 |
| Phosphorus (%) | 4-5.5 | 4-6.5 |
| Sieving (% max) 2 mm mesh. | 5 | 5 |
| Untreated hair feathers (% max) | 2 | |
| Fat (%) | 8-11 | |

Source: Suter D., 1984, Meat meal, cited from Ackerman, H W and Hansen, C.L. (1988) ANIMAL BY-PRODUCT PROCESSING 68p. Ellis Horwood, England

SECTION-5

EFFLUENT TREATMENT PLANT OF RENDERING PLANT

Water quality as every technologist knows, lies at the centre of industrial activity and at the heart of life. The effluent when left untreated from industry, plays havoc with ground water. Consequently, water treatment plant developed to manage water in a better way ensuring both customer and ecology profit. This process takes into account a complex set of field conditions and propose water management approaches that make economic and technical sense.

This project is designed. for handling 250m.cu/day of effluent generated from Modern Carcass Utilization-cum-Rendering Plant Complex. Area required to construct this plant is approx. 1300 Sqm. The plant is designed with dissolved air flotation system. In this process suspended solids and grease should get removed before pumping to aeration tank.

The effluent after treatment can be used for irrigation purpose. Solids separated should finally be collected on sludge drying bed after using sand filter and can be utilized as manure.

Reuse of Treated Effluent

The treated Effluent has to be disposed off suitably. It should meet the above stringent standards.

Availability of Area

Sufficient area is made available for the improvement of the Effluent Treatment Plant if required any.

Treatment Concept

The treatment should be decided keeping in mind the raw effluent quality. The following few main points to be kept in mind.

As can be seen from the design parameters, the untreated effluent BOD is 3700 mg/Litre. The desired treated effluent BOD is 100 mg/litre. It is not possible to reduce the BOD to the desired level without going for two-stage aeration.

The effluent produced in the slaughter house first it should be divided in two channels. These channels should be separated by two gates. The effluent produced first should pass through a screen chamber for the removal of large floatable particles (large sized solids, horn, nails etc. and be trapped and removed manually. Two harpers should be provided for screenings. This facility is provided so that while one is being cleaned, the other can be used. The effluent then should flow to the oil & grease trap. In the oil & grease trap, the gravity-based trap separates oil and grease from the effluent. To help the grease to rise on top, mild diffused aeration should be incorporated. The effluent should go to Equalization tank. Since the effluent is highly biodegradable almost 24 hours storage in the tank should be considered. The diffused aeration should be incorporated to prevent septic conditions and to keep the suspended matters in suspension. The effluent should be pumped to the Primary settling tank.

In primary settling tank removal of suspended solid should be done by gravity settling. This should be achieved by providing adequate retention time in a quiescent state. Settling rate should be enhanced by addition of flocculent. Then effluent should be transferred to dissolved air flotation system. Here again suspended solids and oil and grease should be removed from the effluent. Outcome of this unit should be pumped to aeration Tank-I.

In the aeration Tank-I the BOD/COD load reduction should take place. In this tank the bacterial culture should be added. There should be sufficient incorporation of air by floating/fix surface aerator. For balanced growth of microorganisms in a biological treatment reactor, the ratios BOD: N: P should be 100:5: 1 for aerobic system. Microorganism degrades the complex organic pollutant contained in the effluent and establishes a multiplication cycle. The mixed liquor should be transferred to secondary Clarifier-I for settling, separation and activation of flocks.

Secondary Clarifier-I should be circular tank having cone shaped bottom with central feed and peripheral treated effluent collection arrangement. There should also be a slow moving mechanical scrapper for scrapping the sludge and pushing it to the central pit. The sludge settles in the central pit and it shall also be partially de-moisturized. In this first stage of aeration cycle the BOD reduction should be to the tune of 85-90%. The output BOD should be of 190 mg/L. after first stage of aeration cycle.

In the Aeration Tank-2 the BOD/COD load reduction should take place. In this the bacterial culture should be added. There should be sufficient incorporation of air by floating surface

aerators. For balanced growth of microorganisms in a biological treatment reactor, the rations BOD: N: P should be 100:5:1 for aerobic system. The urea and OAP tank should include in the scope of supply will be able to accommodate one day's requirement of the chemicals. Microorganisms degrade the complex organic pollutant contained in the effluent and should establish a multiplication cycle. The continued growth of microorganism results into formation of flocks which have tendency to settle down when provided a quiescent settling zone. The mixed liquor hereafter be transferred to secondary clarifier-II for settling, separation and activation of flocks.

Secondary Clarifier-2 should be circular tank having cone shaped bottom with central feed and peripheral treated Effluent collection arrangement. There should also be a slow moving mechanical scrapper for scrapping the sludge and pushing it to the central pit. The sludge settles in the central pit and it shall be transferred to sludge sump from sludge pit via sludge regulating valve. The Sludge shall also be partially de-moisturized. In this second stage of Aeration cycle, we expect the BOD reduction to the tune of 90-95% and we expect the output BOD of <30 mg/L. The supernatant clarified water should flow by gravity to treated water Tank.

The clarified waste water shall flow into the Chlorine Contact Tank. Chlorination shall be done here for disinfection in this tank. Suitable dosing system should be provided for Chlorination. The treated water then should be pumped to pressure sand filter and disposed off suitably.

From sludge sumps about 50% of sludge should be re-circulated to aeration tanks. Only excess sludge should be sent to the sludge drying beds. The sludge drying beds further concentrate the sludge and convert it into sludge cakes. The filtrate water should be transferred to the equalization tank.

SECTION –I

INSTRUCTION TO THE TENDERERS

SECTION -I

INSTRUCTION TO THE TENDERERS

1.0 GENERAL

- 1.1** *Description of work:* Operation & maintenance of the Modern Carcass Utilization – cum- Rendering Plant and rendering plant at Ghazipur on lease for a period of ten years. The Lessee will collect the dead animals from the area of Delhi city either himself or through his sub-contractor/s and will have right on the final products of the rendering plant such as bone-meal, meat-meal, bone-chips, fat, skin, hides etc. The lessee will provide man & material for its day to day operations, management and maintenance of the modern Carcass Utilization-cum-Rendering Plant Complex.

The rendering plant will be handed over to the lessee on AS IS WHERE IS BASIS. The plant is having Euro II facility with the capacity of two no. batch cookers of 15000 liters (Approx.) in a single shift. The Plant can run up to two shifts daily.

- 1.2 Lessor: East Delhi Municipal Corporation (EDMC)

- 1.3 *Period of operation and Management on lease:* The successful tenderer will operate & maintain the plant for a period of ten years from the date of signing of the lease agreement/handing over of the plant, whichever is earlier. The lease period may be further extended for another ten years upon successful operation of rendering plant and subject to the acceptance of the lease amount and other terms & conditions by the lessee which shall be finalized by the EDMC. after completion of lease period of ten years. However, the lessee shall have no right to claim for further extension of lease period beyond ten years and the final decision in this regard shall be taken by the EDMC.

4.0 Site Inspection

The prospective tenderers are advised to visit the site before submitting their tenders as the tenders are being invited on "**As is where is Basis**" and study the tender document carefully to satisfy himself regarding the bonafides of the plant.

- 5.1 The tenderer is expected to examine carefully all instructions, conditions, forms in the tender documents. Failure to comply with the requirements of tender documents will be at tenderer's own risk. Tenders which are not substantially responsive to the requirements of the tender documents will be rejected.

SECTION -2

GENERAL CONDITIONS OF LEASE AGREEMENT

1.0 General Responsibility of the Lessee (Tenderer)

- 1.1 The lessee (tenderer) shall, subject to the provisions of the lease agreement and with due care and diligence to collect the fallen/dead animals from the area either himself or through his sub-contractor and operate, manage and maintain and will have right on the final product of the rendering plant such as bone-meal, meat-meal, bone-chips, fat, skin, hides etc. The lessee shall provide man & material for its day to day operations, management and maintenance of the modern Carcass Utilization-cum-Rendering Plant Complex.
- 1.2 The lessee (tenderer) shall take full responsibility for the stability, maintenance and safety of all Plant & Machineries operations and the safety of all operative managerial/ administrative/security staff to be employed by him during the period of the lease agreement.

2.0 Period of Lease

- 2.1 The period of lease shall be ten years from the date of execution of lease agreement or physical handing over of the plant to the lessee, whichever is earlier.
- 2.2 In case of breach of any condition of the lease agreement by the lessee (tenderer), the Municipal Commissioner will be entitled to recover all losses and damages and terminate the lease.
- 2.3 If the work performance of the lessee is not found satisfactory at any time during the period of lease or any act of the lessee is against the interest of EDMC then the lease agreement can be terminated by the EDMC by giving three months notice in this regard.

3.0 Security deposit

- 3.1 Security deposit to be submitted would be the same for Ghazipur Slaughter House and for the carcass utilization cum Rendering plant.
- 3.2 No separate security deposit is required for the carcass utilization cum rendering plant.
- 3.3 The performance security shall also be the same for Ghazipur Slaughter House and for the carcass utilization cum Rendering plant.
- 3.4 The security shall be released/duly discharged not later than 60 days after the date of completion of the lease period of ten years.
- 3.5 No interest shall be paid by the **East** Delhi Municipal Corporation for the amount deposited as security.
- 3.6 The security deposit shall be forfeited in case of following: -
 - (a) Breach of any agreement condition.
 - (b) Non performance on the part of Lessee.

4.0 Lessee (tenderer's) Employees

- 4.1 The lessee (tenderer) shall make his own arrangements for the engagement of all the employees/labour, local or otherwise, for the operations, management and maintenance of the Plant Complex. He will collect the dead animals from the area of Delhi city either himself or through his sub-contractors without any delay or default under the intimation to Veterinary Department. He will have a right on the final product of the Rendering Plant such as bone-meal, meat-meal, bone-chips, fat, skin, hides etc. of the Modern Carcass Utilization-cum-Rendering Plant Complex.
- 4.2 For the collection and transport of fallen/dead animals, the lessee may; employ the sub-contractors for their collection from the areas. In the event of the collection being done by the lessee himself, he may preferably use the workers who have been working with contractors for removal of dead animals, registered with Veterinary Services Department.
- 4.3 In the event of the lessee (tenderer) committing a default or breach of any of the provisions of Labour Laws, Provident Fund Rules, Insurance Act Provisions and any other Rules and Regulations as applicable, he shall be liable for own actions and shall bear the penalties and such impositions of the Statutory Authorities and shall

indemnify and keep indemnified the lessor (EDMC) from all such penalties, compensations and impositions etc.

- 4.4 The lessee shall ensure compliance of ESI & EPF Act and other labour regulations in respect of employees deployed for performance of this agreement. There will be no employer-employee relationship between EDMC and employees of the lessee.

5.0 Inspections by EDMC.

- 5.1 The Commissioner, EDMC/Director (VS), EDMC or an Officer authorized by him shall at all times have access to the complex premises and the lessee (tenderer) shall afford every facility for and every assistance in providing the right to such access.

6.0 Payment of monthly lease rent charges

- 6.1 The period of lease shall be ten years from the date of execution of lease agreement or physical handing over of the plant to the lessee, whichever is earlier.

7.0 Protection, Repairs and Maintenance of the Modern Carcass Utilization-cum- Rendering Plant Complex.

- 7.1 The lessee (tenderer) shall be fully responsible or held liable for any damage to person or property (the land, buildings and plants and machinery) within the premises of the Modern Carcass Utilization-cum-Rendering Plant Complex. The lessee (tenderer) shall be responsible for the protection of the Modern Carcass Utilization-cum- Rendering Plant Complex in so far as the necessary care must be taken to see that no damage to the property is caused by the lessee (tenderer) during the period of lease. Adequate lighting, guarding and watching for properly carrying out the work and for safety and security shall be provided by the lessee (tenderer) at his own cost. In case any damage or loss shall happen to the land, buildings, or the Plant & Machinery during the period of lease, the same shall be made good and functional at the sole cost of the lessee (tenderer), so that the Modern Carcass Utilization-cum-Rendering Plant Complex is kept in the good condition and is handed over and shall be taken over back in the same good and functional condition after the expiry of the lease period.

- 7.2 The repairs and the maintenance of the Modern Carcass Utilization-cum-Rendering Plant Complex will be entirely at the risk and cost of the lessee (tenderer) and he shall repair and maintain all the buildings, plants and machinery, equipments, facilities and the fencing etc. at his own costs.

- 7.3 Both the lessee and the lessor shall agree to engage an independent consulting agency (ICA) for carrying out yearly inspection of Ghazipur Slaughter House and

Rendering Plant and its entire complex by an independent agency. The lessee will allow the ICA to inspect the plant in operational as well as non-operational conditions. During the inspection, the lessee will operate the plant at his own cost. The lessee will provide all facilities to the representative of ICA for inspecting the plant or for carrying out any physical checks regarding abnormal sound, leakage in piping and other units of the plant, checking of valves, changed spare parts, variable frequency drives (VFD), cleaning level of the plant, maintenance including greasing and oiling etc., of various parts and general up keep of the complex.

The lessee will also provide to the ICA all relevant records regarding preventive and scheduled maintenance, plant break-down (if any) and will also make available all data in the computer system. The ICA will examine and review these records and data.

The lessee will allow the ICA representative to interact with the operational staff of the plant while carrying out the plant inspection or while going through the available data & records.

An inspection report will be prepared by the ICA and a copy will be passed on to the lessee and the lessor. In case the report recommends any kind of corrective action/repairs/change of spare parts or any other action required to be taken for proper operation & maintenance of the plant including change of untrained staff (if any), the lessee will comply with recommendations made by the ICA, within a maximum of ten working days. In case the lessee fails to comply with the recommendations of ICA, the lessor will be free to get the requisite corrections/repairs etc., done through another agency at the risk & cost of the lessee, including termination of agreement.

The fee charged by the ICA will be borne by the lessee.

- 7.4 The lessee shall be responsible for timely renewal of various licenses/No Objection Certificates/Clearances as made available to him by lessor (EDMC), at the time of handing over of the plant at the commencement of lease. In future, any permission/NOC from the various authorities on account of change in the law shall be undertaken by the lessee himself at his own cost.
- 7.5 The lessee shall obtain the spare parts of Plant & Machinery from the manufacturer only and genuine spare parts shall be used by the lessee under supervision of lessor (EDMC). However the spare parts of carcass utilization cum Rendering plant that are available with EDMC can also be utilized by the lease shall maintain a baffle stock of all critical spares which would be indicated by the manufacture of the plant or by the lesser so that operation suffer adversely.
- 7.7 The lessee shall maintain the modern slaughter house and carcass utilization-cum-rendering plant complex as per the best practice in the industry.

SECTION-3

SPECIAL CONDITIONS OF LEASE AGREEMENT

- 1.0 The Modern Carcass Utilization-cum-Rendering Plant Complex has been built up to collect the fallen/dead animals from the area of Delhi city either himself or through his sub-contractor and will have right on the final product of the Rendering Plant such as bone-meal, meat-meal, bone-chips, fat, skin, hides etc.
- 2.0 The lessee (tenderer) shall be required to provide the staff, transport, machinery and implements to collect the fallen/dead animals from the Delhi city area either himself or through his sub-contractor.
- 3.0 The EDMC is handing over the Modern Carcass Utilization- cum-Rendering Plant Complex at Ghazipur to the prospective tenderer on "As Is **Where Is Basis**" for its operations & management and also to collect the dead animals from the area of Delhi either himself or through his sub-contractor.
- 4.0 The Lessee (tenderer) shall be required to provide all the technical staff-labour, butchers, operators, supervisors, mechanics and electricians and such other staff and all other clerical, administrative, managerial staff as also the security personnel and any other consumables which are required for the operation, maintenance and management of the Modern Carcass Utilization-cum-Rendering Plant Complex at its own cost.
- 5.0 The lessee (tenderer) shall, immediately after taking over of the complex, commence providing service of collecting/removal the dead animals from the area either himself or through his sub-contractors. The dead animals should be lifted within 24 hours of the death of the animals/receipt of the complaint and failure to collect dead animals in the NCT of Delhi may lead to punitive action against the lessee.
- 6.0 The lessee will sell the final product to an authorized agency so that the final products, especially tallow is not misused by the purchaser for adulteration purposes. If at any stage it is found that adulteration is being done by the purchaser in connivance with or it is in the knowledge of lessee, Commissioner, EDMC will be free to take any stern action against the lessee which may include the cancellation of the lease agreement, forfeiture of the security deposit. Lessee will maintain as official record, details about the materials produced in the plant and to whom sold and keep

the record up to date for the inspection of Director Veterinary Services, Plant Manager or his authorized representative.

- 7.0 The lessee will not sublet the Rendering Plant for its operation and maintenance to other party under any circumstances which may otherwise lead to termination of this lease agreement.

8.0 Operation and Maintenance of ETP

- 8.1 The lessee will arrange in advance all the consumables, chemicals and other materials needed for the operation of the effluent treatment plant. It will hire qualified staff for its operation and see that the regulations of Delhi Pollution Control Rules are followed and the discharged effluent is meeting the standard requirements.
- 8.2 The lessee (tenderer) shall be entitled to carry out its operational work and manage the parameters of the Effluent Treatment Plant as per Pollution Control Board norms/as per Annexure-II. The lessee has to maintain all the plant and machinery for the ETP- 250 KLD to avoid any break down during the plant operation and responsible to keep the Plant & Machinery in good condition. The lessee (tenderer) shall be responsible to maintain the daily operational records/power consumption/quality test reports as required as per Pollution Board norms. The tenderer shall be responsible for the disposal of sludge from the ETP as required at its own cost. It can charge the purchaser for these and retain the sale produce records.
- 9.0 The lessee (tenderer) shall be entitled to carry out its operations work and manage the Modern Carcass Utilization-cum-Rendering Plant Complex on the terms and conditions of the lease agreement during the period of lease.
- 10.0 The EDMC wishes to give out the Modern Carcass Utilization-cum-Rendering Plant Complex on as is where is basis on lease for a period of ten years. The lessee (tenderer) shall not be permitted to take up any alteration/up- gradation/ expansion/ extension in the complex until and unless the same is permitted by the EDMC.
- 11.0 If permitted by the EDMC, all such up-gradation, expansion and extension activities shall be carried out entirely by the lessee at its own cost. The lessee (tenderer) shall submit technical details, drawings, layouts, financial details and costs of such additions, alternations, constructions etc. that it wishes to carry out in the present set up of the complex. However, the decision of the EDMC in this regard shall be final and binding who may either consider or reject the request of lessee for any such alterations/up gradations/expansions etc keeping in view the interest of EDMC.

- 12.0 All kinds of expenditures/charges/fee required to run the rendering plant shall be borne by the lessee/tenderer. The lessee (tenderer) shall also be liable to incur any expenditure towards operations and management of the Modern Carcass Utilization-cum-Rendering Plant Complex in compliance of the order/orders, direction(s) or the judgments of all the legal agencies and the various Acts that come into effect from time to time, in order to implement the rules and regulations which come in force after signing of this agreement.
- 13.0 The lessee (tenderer) shall be bound to carry out the order/orders, direction/directions given by the Director-Veterinary Services, EDMC or by any competent authority of the Central or the State Government as long as they are within the frame work of this agreement. The lessee (tenderer) would also have to abide by the orders/directions of Delhi State Pollution Control Committee/Central Pollution Control Board and directions of the Hon'ble Supreme Court or other competent Courts of India.
- 14.0 The lessee shall be responsible for timely removal of all the by-products and maintenance of proper hygiene in the entire plant. The lessee has to remove all kinds of wastes from the Rendering Plant that would be generated there including the waste which would be generated by opening of stomach of dead animals, at its own cost.

15.0 Jurisdiction

This agreement shall be governed by the internal Laws of Delhi, without regard to its conflict of law provisions, in every particular including formation and interpretation, and shall be deemed to have been made in Delhi. Any proceedings arising out of or in connection with this agreement shall only be brought to any court of competent jurisdiction in Delhi.

16 .0 Arbitration

In case of any dispute/differences arising out of this agreement the same shall be referred to the arbitrator appointed by the Commissioner, EDMC. The decision of the arbitrator shall be final and binding on both the parties. As per the provision of Arbitration of Conciliation Act and Rules made there under.

- 16.0 Any changes, additions, deletion of any clause of the lease agreement can be done only with the consent of both the parties.

17.0 TERMINATION

In case of violation of any of the terms of this agreement by the lessee or in the event service offered by it are not found satisfactory, EDMC will be free to terminate the lease after giving three months notice to the lessee.

ANNEXURE-1

Subject: - List of Contractor for Removal of Dead Animals of M.C.D.

| SI. No. | Name of Contractor & Address | Telephone No. |
|---------|--|--------------------------------------|
| 1. | Sh. Sonu S/o. Sh. Ram Kishore House No. I 52, Village Molarband , P.O. Badarpur, New Delhi- 110044 | 29891988-743 9810285739 |
| 2. | Sh. Shiva Lal S/o. Sh. Boda! Singh, House No. 152, Village Molarband , P.O. Badarpur, New Delhi-110044 | 32356864 9810285739 |
| 3. | Sh. Hariom Singh, S/o. Sh. Chhidda Singh, House No. 22 C, Gali No. 16 E, Molarband Ext Badarpur, Delhi- 110044. | 26958234 26945988 |
| 4. | Sh. Ved Prakash, S/o Sh. Chhidda Singh, House No. 22 C, Gali No. 16 E, Molarband Ext Badarpur, Delhi- 110044 | 26958234 9810185739 |
| 5. | Sh. Shoraj Singh, S/o. Daulat Ram, House No. 29/ 19, Gali No. 12, Vishwas Nagar, Delhi-110032. | 22384758 22848871 |
| 6. | Sh. Amarjit, S/o. Sh. Jawala Prashad , 372, Mohalla, Moharam, Shahdara, Delhi-110032. | 22301026 22380107 |
| 7. | Sh. Naresh Kumar, S/o. Late Sh. Rajbal, RZ-Virendra Market, Najafgarh , New Delhi- 110043. | 25021 272 25324189 |
| 8. | Sh. Rajinder Kumar, S/o. Sh. Prabhu Dayal, 1 177, Jatav Mohalla, Najafgarh, New Delhi-110043. | 25022493 |
| 9. | Sh. Amar Singh, S/o. Sh. Ram Kishan, 537117, New Chandrawal Jawahar Nagar, Delhi- 110007 . | 9891880420 23853739 |
| 10. | Sh. Ram Kishan, S/o. Sh. Khacheru , 537117, New Chandrawal Jawahar Nagar, Delhi-110007 | 23934939 |
| 11. | Sh. Sumer Singh, S/o. Sh. Daulat Ram, House No .5, Malkaganj, New Delhi-110007. | 23985833 23926410 |
| 12. | Sh. Tek Chand, S/o. Sh. Dani Ram, 6419, Dakshin Puri EXtn, New Delhi. | 26056691 |
| 13. | Sh. Kala, S/o. Sukh Lal, C-1/349, Sultan Puri, Delhi-110041. | 9899470512 9899235736 |
| 14. | Sh. Sanjay Khanna, S/o. Sh. Kedar Nath, B-73, T-I, Dilshad Colony, Delhi-110095. | 221 14996 |
| 15. | Sh. Amar Singh, S/o. Sh. Nathi Singh, E-676, Ashok Nagar, Gali No. 2I, Shahdara, Delhi-110032. | 22589987 9811646644 9811220624 |
| 16. | Mohd . Mehrajjudin, S/o. Mohd. Safiq, 9.233, Khichripur, Delhi-110091. | 22780207 |
| 17. | Sh. Naresh Kumar, S/o. Sh. Kanshi Ram, 618, F/5A/ 1 C, Ambedkar nagar, Vishwas Nagar, Shahdara, Delhi. | 22387027 |
| 18. | Sh. Omprakash, S/o. Sh. Veer Singh, 370, Mohalla Maharaam, Shahdara, Delhi-110032. | 22380107 23301026 |
| 19. | Sh. Anoop Kumar, 10900, Motia Kha, eshraj Bhatia Wala Marg, Delhi | 23550119 |
| 20. | Sh. Narayan Das, S/o. Sh. Amar Singh, C-76/2, Chandan Vihar, Gali No. 1 S, Nangloi, Delhi-1 10041. | 25948964 |
| 21. | Mohd . Iqbal, S/o. Mohd. Dilbar, 9/233, Khichri Pur, Delhi-110091 | 22784217 |
| 22. | Satya Pal, S/o. Sh. Ohara Singh, B-51/S-2, Dilshad Colony, Delhi-110095. | 22 135699 |
| 23. | Sh. Kartar Singh, S/o. Malkhe Ram, House No. 857, Paradyan Narela, Delhi- 110040. | 27784992 |
| 24. | Sh. Ravinder Kumar, House No. K-34, Gandhi Ashram Colony, Pava Papiwia, Narela | 24982964 |

ANNEXURE-II**PARAMETERS OF THE EFFLUENT TREATMENT PLANT AS PER POLLUTION CONTROL BOARD NORMS**

| S. No. | Parameters | Characteristics of Inlet Effluent | Characteristics of treated water after anaerobic digestion | Characteristics of treated water after Aeration |
|--------|------------------------|-----------------------------------|--|---|
| 1. | pH | 7.1 | 5.5-9.0 | 6.5 to 8.5 |
| 2. | BOD | 2500 | About 500 | <30 |
| 3. | COD | 3300 | <500 | <250 |
| 4. | Total suspended solids | Upto 980 | < 150 | <100 |
| 5. | Oil and grease | Upto 50 | <10 | <5 |

Note: All the parameters given above are in "mg/l" except Ph.

SECTION-6

FORM OF "HANDING OVER -TAKING OVER" NOTE

HANDING OVER-TAKING OVER NOTE

The Modern Slaughter House and Carcass Utilization-cum-Rendering Plant Complex at Ghazipur are hereby Handed Over by "the Lessor (East Delhi Municipal Corporation) to (successful tenderer) and is taken over by(the successful tenderer) from the Lessor (East Delhi Municipal Corporation) for its operation, maintenance and management from this theday of.....201_

HANDED OVER BY
(Authorised Signatory)

TAKEN OVER BY
(Authorized Signatory)

Name:
For and behalf of Lessor
(East Delhi Municipal Corporation)
tenderer)

Name:
For and on behalf of Lessee
(The successful

Witness:
Name:
Father's Name:
Designation:
Address:

Name:
Father's Name:
Designation:
Address: