

SOUTH DELHI MUNICIPAL CORPORATION
OFFICE OF THE SUPERINTENDING ENGINEER, QUALITY CONTROL CELL
ROOM NO. 45, AMBEDKAR STADIUM, DELHI GATE, DELHI-110002

No. SE(QC)/2016-2017/EE(QC)-II/D- 3129

Dated: 15.11.2016

To
All prospective bidders

Subject: Establishment of CNG based crematorium at Subhash Nagar, West Zone-
addendum/clarification/reply to pre-bid query(s).

Reference:- NIT No: D/EE(QC)-II/SDMC/2016-17/01, dated 21.10.2016, due on 24.11.2016

Sir (s)

In reference to the Pre-bid meeting held on 10.11.2016 at 02:00PM, as a reply to pre-bid query(s), there is addendum/clarification in the specifications, BOQ, terms and conditions and the Clauses of the tender document mentioned below:

1. **Clause- 45: 3rd Party Checking** (CHAPTER-VI: GENERAL CONDITIONS OF TERMS & CONDITIONS OF CONTRACT/ Page -39 of RFP)
2. **Clause -15: BRAND NAMES** (CHAPTER-VII GENERAL SPECIFICATIONS/Page -43 of RFP)
3. **CHAPTER-VIII : BROAD TECHNICAL SPECIFICATION** (Page -45 of Tender Document)
4. **SCHEDULE – H : FINANCIAL BID FORM** (Page -67 of Tender Document)

The amended specifications, BOQ, terms and conditions and the Clauses of the tender document are annexed herewith.

This clarification/amendment is being uploaded on the SDMC Website for information of all concerned and shall form part of the tender document. It shall be binding on the contractor/SDMC. The last date/time of submission of bids shall remain unchanged i.e. **21.11.2016 at 02:00 PM.**

— *sd* —
Ex. Engineer (QC)-II/SDMC

Enclosed as above

Copy to:

AO(IT), SDMC

(Enclosed as above in soft copy)

With the request to upload the same on the SDMC website under the tenders section as well as the News section under the title “**Addendum/clarification/reply to pre-bid query(s) for the Tender for Design, Supply, Installation, Testing, Commissioning, and Maintenance of Compressed Natural Gas (C.N.G) Based Crematorium at Subhash Nagar, West Zone, SDMC**”.

sd
Ex. Engineer (QC)-II/SDMC

Executive Engineer (QC)
South Delhi Municipal Corporation
Ambedkar Stadium, New Delhi

Amended Clause- 45: 3rd Party Checking

(CHAPTER-VI : GENERAL CONDITIONS OF TERMS & CONDITIONS OF CONTRACT/
Page -39 of RFP)

Third Party Quality Assurance/Audit of the work will be got carried out by the appropriate agency of the choice of the department as per the best industry practices and the third party inspection charges shall be borne by the successful bidders. The contractor shall provide the samples of material for testing. Cost of material including packaging, sealing, transportation, loading & unloading etc. will be borne by the contractor. The cost of testing will be borne by the contractor if samples are sent to laboratory other than Mpl. Laboratory. In addition to third party checking all the mandatory testing shall also be carried out at the site laboratory/SDMC laboratory/designated lab.

The designated labs are as mentioned below:-

- a. Sri Ram Institute for Industrial Research
- b. RTC Okhla
- c. National Test House
- d. Or any other lab as decided by the competent authority.

If during the testing of material, the samples material gets failed, the cost of testing charges and consequent re-testing required, if any, shall be borne by the contractor.

In addition, the engineer-in-charge shall be at liberty to get the work inspected through CTE or any other agency appointed by Govt. of India or SDMC and the result of their finding will be binding on the contractor.

Final Bill shall be paid to the contractor only after effecting recoveries based on CTE/Third Party for Quality Audit/Assurance or any other agency as mentioned above.

Amended Clause -15: BRAND NAMES

(CHAPTER-VII GENERAL SPECIFICATIONS/Page -43 of RFP)

The make of equipments shall be given under. If make of a particular item is not given in the tender, it shall as approved by SDMC.

S.N.	MATERIAL	MAKE
2.1	20 KVA DG Set	Engine: Escort, CUMMINS or Equivalent make
		Alternator:- Stamford, LOREY SOMER or Equivalent make
2.2	3.5*50sq mm Al cable	POLYCAB, HAVELLS, HPL, PLAZA, GRANDLAY or Equivalent make
2.3	6C*2.5sq mm conductor	POLYCAB, HAVELLS, HPL, PLAZA, GRANDLAY, FINOLEX, WINCAP, GREAT WHITE or Equivalent make
3.2	Fire extinguisher	ISI MARK


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AMENDED CHAPTER-VIII :- BROAD TECHNICAL SPECIFICATION
(Page -45 of Tender Document)

1. **Tenderer(s) are expected to have visited the CNG cremation furnace site situated at Subhash Nagar and their quote/offer shall be considered to have been made after fully satisfying themselves with the prevailing site conditions.**
2. SDMC invites tender for Design, Supply, Installation, Testing, Commissioning, and Operation & Maintenance of Compressed Natural Gas (C.N.G) Based Crematorium at Subhash Nagar, West Zone, SDMC.
3. The broad technical specification of the work are as follows:-
 - (i) **CNG FURNACES WITH OPERATING PANEL:-** 2No. of CNG fuelled furnaces of **minimum internal size with Length-2.5Mtrs, Width-1.00 Mtr, Height-1.00 Mtr.** to properly accommodate dead bodies. It should be fitted with refractories of high quality comprising of fire bricks, semi-insulated & light weight insulating material with casing made out of **Stainless Steel Sheet of thickness 22 gauge and material 304 Grade.** The firebricks should be able to face heat temperature up to 1400°C. The quality & thickness of insulation shall be such that furnace casing is safe for the operator & mourners near furnace. The charge door of the furnaces should be of adequate size so that maximum size of body can be loaded without hindrance with **mechanical operating system.** Each furnace should be provided with **manual loading trolley rail system** made of iron.
 - (ii) **BURNERS WITH GASTRAIN & AIRFAN:-** High quality burners (Baltur or equivalent make) of maximum fire load of 358kW switches and fitted with high/low regulator with Sparkgas 35PW/W with Ionisation probe with On/Off Solenoid Safety Valves. The burners should be equipped with air fan to supply combustion air capable of providing adequate air flow.
 - (iii) **WET SRCUBBERS WITH EXHAUST FAN FOR POLLUTION CONTROL:-** Each furnace should be provided with exhaust fans of adequate size in order to eliminate smell and smoke with self supporting Stainless Steel type cyclone separator type with water spray nozzles complete with inlet and outlet water piping valves and necessary pumping unit fitted on water tank at ground level manufactured out of mild steel 6mm sheet.
 - (iv) **CHIMNEY:-** Height of stack shall be 30 meters. It shall be Self-supporting type made of **M.S. Steel.** Minimum dia of the chimney to be kept as 12 inches. The 6 meter shall be cone shaped and balance 24 meters shall be straight in M.S. Steel minimum 6mm thick. All sections Flange connected. The installation shall be complete with 3 inspection Platforms/sampling point. Entry nozzle manhole at bottom. Cat Walk Ladder fully covered, Lightning Arrestor, Pilot lamp etc. with suitably designed R.C.C foundation.
 - (v) **Induced Draft Fan:** Induced Draft Fan with 2HP motor to be provided to stack.
 - (vi) **AUTOSTART GENERATOR WITH ELECTRIC FITTINGS:-** Auto Start Generator of a capacity of 20 KVA to bear the load of both the furnaces with all operations during no supply of electricity from outer source with diesel tank facility with chargeable battery with exhaust piping arrangement to be done to provide electric support to automatic panels, burners, air fans, exhaust fans, scrubbers & water pumps.


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AMENDED SCHEDULE - H

Financial Bid Form

Ref: - NIT No. D/EE(QC)-II/SDMC/2016-17/01

Dated : 21.10.2016

Name of Work: **Design, Supply, Installation, Testing, Commissioning, and Maintenance of Compressed Natural Gas (C.N.G) Based Crematorium at Subhash Nagar, West Zone, SDMC.**

S. N.	Particulars	Unit	Quantity	Rate (Rs.)		Amount	
				To be quoted by contractor in figure (Rs.)	To be quoted by contractor in words (Rs.)	To be quoted by contractor in figure (Rs.)	To be quoted by contractor in words (Rs.)
1	Design, supply, installation, testing and commissioning of 2 Nos. of CNG fired cremator (Cremation Furnace) at designated location as per details below and Technical Specification						
1.1	1. Furnace casing made out of Stainless Steel Sheet of thickness 22 gauge and material 304 Grade complete as per technical specifications mentioned in the Tender Document. 2.Refractory lining for above steel structure to make primary chamber, hearth bed, side path for flue passage, secondary chamber lining, burner mounting blocks etc 3. Mechanical drive system for door, limit switch & counter weight etc. 4.CNG burner suitable for primary chamber 5.CNG two stage burner suitable for secondary chamber 6.Heat recovery unit at the outlet of secondary chamber to heat the fresh air 7.PLC controlled panel for auto ignition 8.Body charging trolley 9.Self supporting chimney separate for each furnaces complete as per technical specifications mentioned in the Tender Document. 10.Stainless steel wet scrubber system (vane type) with water recirculation arrangement 11.Ducting from scrubber to chimney 12. Piping of Gas Line from IGL source to furnace	Each	2				
	Sub Total-Design and supply of CNG fired cremator						
2	Diesel fired Power Generating Set						


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