

Shri Sant Shankar Maharaj Ashram (SSSMA),

Pimpalkhuta, Ta. Dhamangaon (Rly) Dist.-Amravati.

Pin Code- 444709

Request for Proposal (RFP)

for

Installation of Roof top solar power generation plant and power supply to the ashram premises of OPEX model basis from reputed and technically sound venders. Total plant capacity should be split in 2 levels.

Location:

Ashram located at Pimpalkhuta. Anjansinghi- Mangrul (Dastagir) Road, 4 Km from Anjansinghi, 15 KM away from Dhamangaon (Rly.), and 45 km away from Amravati city.

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Definations:

SSSMA- Shri Sant Shankar Maharaj Ashram

OPEX- Operational expenditure- This is also called as Zero investment of the organization. SSSMA will not invest any amount in the installation and operation and maintenance of the Solar power generation plant.

RTSPV- Rooftop Solar Photovoltaic – Roof top Solar Power Generation Plant.

MEDA/MNRE- Maharashtra Energy Development Agency/ Ministry of New & Renewal Energy.

PPA- Power Purchase Agreement- Vendor should supply the power to SSSMA for a period of 15 years as per agreement.

DG- Diesel Generator set (Alternative Power Supply System).

O &M- Operation and maintenance of the plant on regular basis.

SLD- Single line diagram of electrical power supply system.

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<u>Part-I</u>

1. <u>BID NOTICE</u>

Sealed and superscripted Bid is invited by **Shri Sant Shankar Maharaj Ashram (SSSMA)**, Pimpalkhuta, Ta. Dhamangaon (Rly) Dist.- Amravati. Pin Code- 444709, from the prospective Bidders having experience as per eligibility criteria set out hereunder

The intending Bidders can collect the bid documents from office of the "Vice Principal, Shri Sant Shankar Maharaj Agricultural College, Pimpalkhuta." From 26th January, 2023 to 08th February, 2023 on working days during the office hours. OR Bidder may download the bid document from website of Shri Sant Shankar Maharaj Ashram Agricultural College Pimpalkhuta 'www.sssmcollegeofagri.in '

Completed Bids will be received in the office of 'Vice Principal, Shri Sant Shankar Maharaj Agricultural College, Pimpalkhuta, on or before 10th February, 2023_up to 16.00 hours.

Name of Assignment:

Request For Proposal (RFP) for Installation of Roof top solar power generation plant and power supply to the ashram premises on OPEX model basis from reputed and technically sound venders. Total plant capacity should be split in 2 levels.

Earnest Money: Rs. 1,00,000/-(Rupees one lakhs Only) in the form of Demand Draft/Pay order/NEFT drawn in favour of '*Shri Sant Shankar Maharaj Ashram*', payable at Pimpalkhuta.

Contract period: PPA will be 15 years (Plant life should be 25 years).

To qualify for the Bid, the intending Bidder must satisfy the following minimum criteria. :

Skilled & reputed registered Entity or a Corporate Group which is working in Maharashtra/India and has experience of at least 5 years of installation & maintaining the RTSPV Power generation plant.

The Entity or Group experience must qualify on ALL the following conditions:

- The entity must successfully complete at least two projects of total Min. 200 KW & functioning properly with at least one project on OPEX. The necessary completion certificates should be attached in Technical bid.
- Average Annual Turnover of the company is at least Rs. 2 Crores (Rs. Two Crore only) for the past 3 (Three) Years. (Submit relevant supporting documents certified by Chartered Accountant)
- 3) The firm should have on his payroll the following Technical manpower
 - a) Solar expert (BE)- Min 2 Nos. having minimum 5 years of experience.
 - b) Electrical expert (BE)- Min 2 Nos.- having minimum 5 year's of experience.
- 4) Company should be registered with MEDA/MNRE.
- 5) No Joint Ventures are allowed to bid.

Notes:

- Pre-Bid meeting will be held on 04th February, 2023 at 11.00 hrs in the office of the Vice Principal, Shri Sant Shankar Maharaj Agricultural College, Pimpalkhuta, Dist. Amravati, which is open to prospective Bidders who have purchased the Bid document.
- Bidder can send their quarries on Email : sssma.solarplant@gmail.com & for any more details contact-9029395654 before pre bid meeting.
- 3. Validity of the Bids will be 90 days from the date of receipt of the Bids.
- 4. **SSSMA** reserve the Rights to reject any or all the Bids without assigning any reason thereof.

Sr. No.	ITEM	INFORMATION	
1	Name of work/Project	Proposal for Installation of Roof top solar power	
		generation plant in ashram premises on OPEX	
		model basis from reputed and technically sound	
		venders. Total plant capacity should be split in 2	
		levels.	
2	Contract Period	Plant life period- 25 (Twenty Five) years,	
		PPA Period 15 years	
3	Period for installation of plant	4 months from the date of work order.	
4	Average annual turnover of Bidders	The minimum Net Worth of the bidder shall not	
		be less than Rs. 2 Crs. (Rs. Two Crores only) in	
		the last 3 years.	
5	Experience of similar Project	The bidder should have experience of similar	
		work of at least two plants, and also experience	
		to install at least one plant in OPEX model. With	
		total minimum worth of Rs. 2 Crs (Rs. Two	
		Crores only) in the last 3 years.	
6.	Date, time and place of issue of	From 26/01/2023 to 08/02/2023 on working	
blank Bid forms		day up to 14.00 Hours from the office of Vice	
		Principal, Shri Sant Shankar Maharaj	
		Agricultural College, Pimpalkhuta, Amravati.	
		Bid document and schedule is also available on	
		our website. – <u>www.sssmcollegeofagri.in</u>	
7.	Cost of Bid Documents	No Cost of Bid Documents. Bid documents is	
		also available on our above mention agricultural	
		college website.	

2. BIDDING DATA

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Sr.	ITEM	INFORMATION		
No.				
8	Date, time and place of Pre-Bid	On Saturday, 4th February, 2023 at 12.00 PM		
	Conference	(afternoon), at office of Vice Principal, Shri		
		Sant Shankar Maharaj Agricultural College,		
		Pimpalkhuta.		
9.	Last Date, time and place of	10 th , February, 2023 up to 16.00 hrs in the		
	submission of Bid	office of Vice Principal, Shri Sant Shankar		
		Maharaj Agricultural College, Pimpalkhuta,		
		either hand delivery, speed post or courier.		
10	Earnest Money Deposit –In the form	Rs. 1,00,000 /-(Rupees One Lakhs Only) to be		
	of Demand Draft Drawn/pay	paid in favour of Shri Sant Shankar Maharaj		
	order/NEFT	Ashram, payable at Pimpalkhuta.		
		Bank Account Details: State Bank of India,		
		Shyam Chowk, Amravati. (Amravati Main)		
		Account No. S/B 11092408147, IFSC-		
		SBIN0000311.		
11	Release of EMD (Earnest Money	Only L1, L2 and L3 vendors, EMD amount will		
	Deposit) Security amount	be hold till issue of work order. Others EMD		
		will release within 10-15 days after process. We		
		will release the EMD only through bank		
		account. So along with EMD, vendor should		
		provide there bank details.		
12.	Amount of Performance Security	Rs. 5,00,000 /- (Rs. Five Lakhs Only). No		
	in the form of - Demand Draft /Pay	interest will be charge at any conditions on		
	order/NEFT/Bank Guarantee.	Performance security deposit. (SBI Account		
		details given with EMD column).		

Sr. No.	ITEM	INFORMATION
13.	Release of Performance Security	The release of above performance security deposit after 3 (Three) months successful functioning of the plant.
14.	Joint Ventures / Consortium	Joint Ventures / Consortium are not allowed
15.	Location of Work	Ashram located at Pimpalkhuta. Anjansinghi- Mangrul (dastagir) Road, 4 Km away from Anjansinghi, 15 KM away from Dhamangaon Rly., and 45 km from Amravati city.

CONTENTS OF BID DOCUMENT:

The Bid document issued for the purpose of this Bid shall include

Part-I

Bid notice, bidding data, broad scope of work and instructions to Bidders

Part- II

Detailed scope of work and General Conditions of contract.

Part-III

Form of Financial Bid

The Bidder is expected to examine carefully all instructions, conditions and terms of the Bid. Failure to comply with the requirements of the Bid document will be at the Bidder's risk. The Bids which are not substantially responsive to the requirements of Bid documents shall be rejected.

CLARIFICATIONS:-

In case any clarification or explanation is required by the Bidder, may be obtain in writing well in advance from the SSMA, pimpalkhuta, provided that such request is received before one day the date of pre-Bid conference.

SUBMISSION OF BID

a) The Bid shall be submitted in two sealed envelopes marked envelope No.1 and envelope No.2 and shall be put together in one common cover and sealed. This sealed cover shall be marked on the left hand top corner "Bid for the Rooftop Solar Power Generation plant and power supply to SSSMA, Pimpalkhuta Dist. Amravati, and Maharashtra".

The full name and address of the Bidder and the name of the authorized Agent delivering the sealed cover containing the Bid shall be written on right hand bottom corner. If submitted by post, shall be properly addressed and sent by registered post acknowledgement due or by courier. The date and time of receipt of Bid shall strictly apply in all cases. The person or persons signing the Bid shall state in what capacity, he/she is or they are signing the Bid i.e. as a sole proprietor of firm or as a Secretary/Manager/Director/authorized signatory etc. of a limited company. In the case of partnership firm, the names of all the partners should be disclosed and the Bid shall be signed by all the partners or in the event of absence of any partner, it will be signed on his behalf by a person holding a power of attorney authorizing him to do so and an attested copy of the Partnership Deed/Power of Attorney shall be furnished along with Bid. In the case of a limited company, the names of all the Directors should be mentioned and the Bid shall be accompanied by a certificate certifying that the person signing the Bid is empowered by a resolution of the Board of Directors to do so on behalf of the company and certified copy of resolution along with a copy of Memorandum and Articles of Association of the Company shall be furnished.

- **b) CONTENTS OF ENVELOPE NO.1 :** The envelope No.1 shall contain the following documents :
 - 1. Earnest Money Deposit.
 - 2. Information on Qualification in the formats prescribed.
 - 3. Bid document i.e. Part-I and Part– II duly signed by the bidder with any other technical information if any.

c) CONTENTS OF ENVELOPE NO.2 :-

The second envelope clearly marked envelope No.2 shall contain only Financial Bid i.e. Part– III of the bidding document including necessary relevant details to describes the Bid fully; including the common set of conditions and any addendum issued.

d) The Bidder shall quote his Bid at the appropriate place in Volume- III in the Bid form. He shall not quote his Bid anywhere directly or indirectly in envelope No.1.

e) PLACE OF SUBMISSION:

The Bids shall be submitted at the address as stated in Bid data.

f) DATE AND TIME OF SUBMISSION OF BID:

The Bid shall be submitted by the Bidder at the date and time and address as stated in Bid data. The Association may at its discretion, extend the deadline for submission of Bid by issuing an addendum in which case, all rights and obligations of the Association and Bidders previously subjected to the original dead line shall be subjected to the new dead line.

g) VALIDITY :

The Validity of Bids shall be 90 days from the date of receipt of the Bids.

h) AWARD CRITERIA.

The Trust shall award the contract to the Bidder whose Bid has been found to satisfy all the requirements of the Bid document and who has Bidded **Lowest Bid rate in Rupees /Power Per Unit Tariff** which is most beneficial to the Trust, except where the Bidder falls under the priority criteria. In case of preferred Bidder, it shall be decided as per criteria given in bidding data.

i) **PERFORMANCE SECURITY DEPOSIT:-**

The successful Bidder whose Bid has been accepted shall pay within Fifteen days of the issue of the letter of acceptance, as Performance Security Deposit an amount given in bidding data in any of the following forms :

The Performance Security shall be either in the form of a demand draft drawn in favour of the **Shri Sant Shankar Maharaj Ashram, Payable at Pimpalkhuta**, which shall carry no interest or in the form of a bank guarantee issued by the Nationalized Bank or State Bank of India or bank promoted by All India Financial Institution including HDFC, issued from any branch in or cashable at Pimpalkhuta branch. The bank guarantee shall be valid for entire period of Agreement.

j) **SSSMA's RIGHT TO REJECT:**

SSMACT reserves rights to reject any or all the Bids without assigning any reason thereof. The SSSMA will in no case shall be responsible or liable for the bidding costs regardless of the conduct or outcome of Bidding.

PART –II

SCOPE OF THE PROJECT

<u>Proposal for Installation of Roof top solar power plant in ashram</u> <u>premises on OPEX model basis from reputed and technically sound</u> <u>venders.</u>

Total plant capacity should be split in 2 levels

The scope of the work–

"Power Purchase Agreement (PPA)" shall mean and include, during the PPA Period (15 years) and after the PPA period (10 years). Total Power Generation Plant life should be 25 years.

a) Develop, design, engineer, finance, procure, construct, erect operate, maintain and transfer of the Rooftop solar Photovoltaic Power generation plant facilities, situated at the site described on above and having the principle features stated therein, in accordance with the provisions of power purchase agreement.

b) Supply of electricity to SSSMA in accordance with the provisions of this Agreement.

c) Performance and fulfillment of all other obligations of the Trustees of SSSMA, Pimpalkhuta, as the case may be in accordance with the provisions of the PPA and matters incidental thereto or necessary for the performance of any or all of the obligations of the Concessionaire under this Agreement.

List of Existing Grid supply consumer Numbers (Total 7 Bills) (LT-1)Billing Unit: 2992

Consumer No	Meter Name	Consumer No	Meter Name
36825600- 0398	Shri Shankar Maharaj Bhudati	36825000- 3053	SSSM Ashram Trust WS
	(Floor Mill)		(Office & Bakt Niwas)
3682560 3-9513	Shri Sant Shankar Maharaj Ashram	36825000- 3061	SSSM Ashram Trust BU
	(Mandir Parisar)		
3682560 3-9521	Shri Sant Shankar Maharaj Ashram	36825000- 3073	SSSM Ashram Trust GH
	(Water Supply)		
36825000- 3274	Superintendent Shri Sant Shankar Maharaj Magas (Samaj Kalyan BH)		

Minimum terms and Conditions

- Grid tied SPV Power Plant with output 3 phase 415 Volt AC is on the basis of PPA (OPEX) (Zero investment of SSSMA) Model limited to buildings of the organisation in ashram and agricultural college premises.
- Ashram premises have many buildings and power requirements are in scattered manner. So entire plant capacity should be divided into three different locations.
 - i) 3 floors building of Girls Hostel, Height of shed will be 7 feet with JSW teen shed.

Coordinates- 20.900516 & 78.172205.

ii) 3 floors building of Bhakt Niwas, Height of shed will be 4 feet's with JSW teen shed.

Coordinates- 20.900628 & 78.173149.

Both the plants water (either rain water or water used during cleaning of panels) should be drain by rain water harvesting system. Vendor should submit the feasibility report and EPC turnkey

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project to the organisation along with simulation report with plant layout, with all advanced technical systems and material details.

- 3) Plant should generate the power over a life cycle of 25 years. While the PPA period will be of 15 years. After completing PPA period, plant ownership will be handed over to SSSMA. While handing over the plant, vendor should certify from Solar, electrical and structural expert and giving the undertaking about the plant, it should be running as per desired efficiency mention in agreement for a period of next 10 years with all technical conditions applicable as per PPA agreement.
- 4) Degradation in power generation should be as per standard norms. If any power generation deficiency is observed by any means during life cycle of the plant, vendor will be responsible for that. Loss of power generation will be vendor's liability. Any up gradation or modification required matching the requirements of the power generation; it will be vendor's liability to fulfil the requirements.
- 5) All installations and plant materials should be BIS and certified by the structural and electrical engineers only.
- Power plant structure should be capable to sustain the wind speed of minimum 160-180 Km/Hr.
- 7) Materials used for Power Plant –Hot dip galvanized structure materials with 80-100 micron and standard structural foundation. PV Panels (mono crystalline only, only Indian manufacturer, renewsys/waree/vikram etc.), inverter (string-ABB/SMA/delta), PV/Grid/DG power synchronisation unit, meters (Generation meter, Net Meter, any Panel meters) MCB's, cables, connectors, mounting and fixing materials, ACDB, DCDB, chemical electrode earthing (3 meters deep, cupper electrodes)(as per BIS: 60364/7043) separate for DC and AC sides. ESE type LA (cupper strip 75x3 mm or more superior, range 70 meter) (as per BIS :IEC 62305) with soil resistivity test report, over voltage & current protective systems, indicators, safety and protective requirements etc., should be BIS certified or equivalent. Materials used in power plant should have prior approval of authorities deputed by the organisation.
- 8) Power generation monitoring facility should be remote monitoring system.

- 9) Any taxation, duties, permit charges, transportation charges or any other official or miscellaneous charges will be vendor's liability.
- 10) Any technical upgradation required to run the power supply in smooth manners, it will be vendor's responsibility. (i.e. synchronisation with DG/Grid/with SPV Power, Power quality, Meters, Power Factor correctors and upgradation, CT-PT calibration and modifications required, and any other require for smooth operation and maintain the interrupted power supply, etc.).
- 11) Entire operation and maintenance (O & M) of the plant, cleaning procedure, any technical or non-technical requirement of the plant, breakages, accidents, up gradations of the plant during PPA period will be borne by Vendor. SSSMA don't have any liability during the tenure of PPA period.

12) Security of the plant and materials:

12A) **Security during commissioning of the Plant**: During commissioning of the plant entire materials, instruments, tools, security and insurance of the manpower working in plant area, visitors etc. will be vendor's responsibility. Any incident or accident happens during commissioning of the plant, vendor will be solely responsible for such incidents.

12B) **Force Majeure:** Force majeure shall mean any cause, existing or future which is beyond the reasonable control of vendor including to, act of god, storm, fire, floods, explosion, epidemics, quarantine, earthquake, strike, riots, lock out, embargo, interference by civil or military authorities, acts regulation or orders of any govt. authorities in their sovereign capacity, act of war, any acts of terrorism, and all other such act of similar or analogous nature. (Collectively called as force majeure)SSSMA shall not be liable for any financial loss or will not hold any such responsibility.

13) **Insurance of the power plant during commissioning and operation for entire working period-** Insurance against fire, theft, burglary, breakages, damages, any technical or non-technical reasons and natural calamities or any force majeure mention in point number 12 is a responsibility of the vendor.

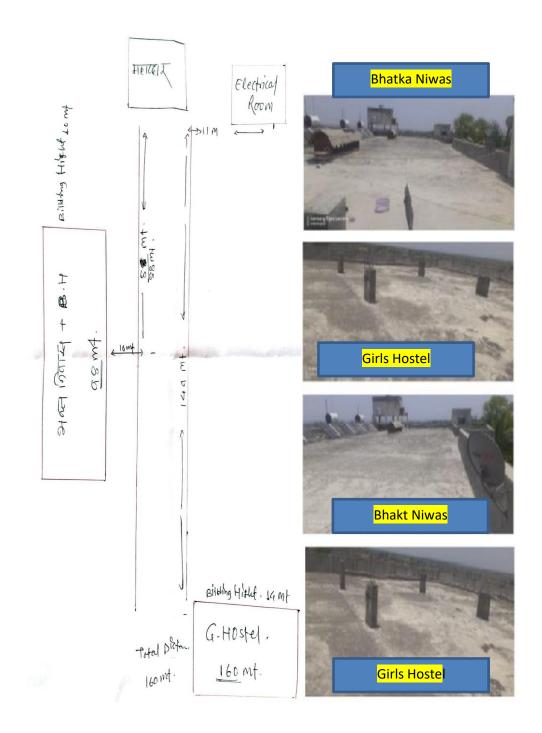
14) All the critical items and components are factory tested as per applicable norms by their respective manufacturers. Test reports of all such tests shall be acquired from manufacturers and submitted to the organisation. Special types of tests if any required by govt./electrical inspector, it will be vendor's responsibility and liability to submit it to the authorities and organisation too.

- 15) SSSMA will provide one point each for Electrical & Water supply. Vendor can make further extensions as per requirements from the given point.
- 16) **Power required for commissioning of the plant**-Vendors should arrange a separate meter during installation and commissioning of the plant. Meter and power charges will be borne by vendor.
- 17) **Approvals-** MSEB, net metering, municipal authorities, gram panchayat, zilla parishad, MEDA, MNRE, state govt., central govt., insurance, or any other permission and approvals required for smooth commissioning and running the plant. All the approvals and permissions will be under vendor's scope. **Deposits required for permissions, approval or NOC will be borne by vendors. After 15 years (Completion of PPA terms), the deposited amount for any approval or NOC, only deposited amount without any interest, will be refund to the vendor. Refund of deposited amount after completion of all formalities of plant ownership handed over to the SSSMA.**
- 18) For permissions and approval Necessary and required documents will be provided by SSSMA.
- 19) Before commissioning of the plant, vendor should provide SLD and 3D physical model with all proportions for confirming the look of the plant and for display of 3D model in the agricultural college.
- 20) Plant area will be kept locked for safety and security reasons. Vendor should make provision of security person, who knows the emergency technical operations.
- 21) If any item or necessary things is not covered in this draft, vendors may specify in his proposal.
- 22) Vendor should attach the list of latest minimum 5 customers in which minimum 1-2 project should be OPEX project.

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 - 23) SSSMA's project team will visit the project sites. Vendor should arrange the visit to such sites.
 - 24) For any more details contact on 9029395654 or Email addresssssma.solarplant@gmail.com
 - 25) Complete proposal "sealed envelope should be submitted to office of The Vice Principal, Shri Sant Shankar Maharaj Agricultural College, Pimpalkhuta, Ta. Dhamangaon (Rly), Dist. Amravati (M.S)-444709" by post, courier or hand delivery as per schedule.



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Part- III

Financial Bid

Name of Work:-Proposal for Installation of Roof top solar power plant in ashram and college premises of OPEX model basis from reputed and technically sound venders. Total plant capacity should be split in 3 levels

PREAMBLE

- The project envisages Proposal for Installation of Roof top solar power plant in ashram and college premises on OPEX model basis from reputed and technically sound venders. Total plant capacity should be split in 3 levels as detailed in the bid document to be undertaken on a Payment in Rupees per unit Power Charges on this agreement and subsequent years by SSSMA, Pimpalkhuta. The Power Charges will be effective from the commencement of this agreement till expiration.
 - 2. The bidder must quote his offer at the specified space in the FORM OF BID both in words and figures.
 - 3. The offer quoted shall except in so far as it is otherwise provided under the contract, include all insurance, profits, taxes, royalties and duties together with all general risks, liabilities and obligations set out or implied in the contract.
 - 4. The bidders shall quote his offer in Indian Rupees only.

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FORM OF BID

Name of Work:-Proposal for Installation of Roof top solar power plant in ashram and college premises on OPEX model basis from reputed and technically sound venders. Total plant capacity should be split in 3 levels.

To,

The Chairman,

Shri Sant Shankar Maharaj

Ashram, Pimpalkhuta.

Dist. Amravati (M.S)

 Ref: (As per Invitation for Bid No & dated _____)

- Having examined the bid documents and Addenda for carrying out of the above named Work within the time specified, we the undersigned, offer to complete the said assignment in conformity with the Bid document, Conditions of Contract and Addenda for the sum of Rs.....only. /- (Rupeesonly). Power per Unit Fixed Tariff Rate on this agreement & the Charges will be effective from the commencement of this agreement till expiration.
- 2. We acknowledge that the Part-I, Part-II and Part-III together with any addendum and common set of deviations (CSD) there to form part of the Bid.
- 3. We undertake, if our bid is accepted, to commence the assignment as soon as is reasonably possible after the receipt of the Notice to commence (Work- Order), and to complete the whole of the Works comprised in the contract with in the time

stipulated.

- 4. We agree to abide by this bid for the validity period stipulated in the bidding documents and the bid shall remain binding upon us and may be accepted at any time before the expiration of that period.
- 5. Unless and until a formal Agreement is prepared and executed, this bid, together with your written acceptance thereof, shall constitute a binding contract between us.
- 6. We understand that you are not bound to accept the highest or any bid you may receive.

Dated this......2022.

Signature.....in the capacity of.....

Duly authorised to sign bids for and on behalf of

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Address.....

... Occupation.....

(To be filled in by the Bidder, together with his particulars and date of submission at the bottom of the form of Bid).