

EOI (Expression of Interest) मागविणेबाबतची सुचना

पिंपरी चिंचवड नवनगर विकास प्राधिकरण

प्राधिकरण पेठ क्र. ५ व ८ येथे सोलार पॉवर प्लॅन्ट उभारणेकरीता EOI सादर करणेबाबत.

विद्युत ई निविदा (EOI) सुचना क्र. ३/२०१९-२० (प्रथम मागणी)

प्राधिकरणमार्फत पेठ क्र. ५ व ८ येथे सोलार पॉवर प्लॅन्ट उभारणीचे काम प्रस्तावित आहे. EOI मध्ये नमूद अनुभव असलेले इच्छुक ठेकेदार / कंपनी / एजन्सी सदरच्या EOI प्रक्रियेमध्ये भाग घेऊ शकतात. EOI संबंधीत कागदपत्रे व इतर माहिती www.pentda.org.in. या संकेतस्थळावर दिनांक ०९-०८-२०१९ पासून उपलब्ध आहे. इच्छुक ठेकेदार / कंपनी / एजन्सी यांनी सदरच्या EOI संबंधीत आपला प्रस्ताव सीलबंद लिफाफ्यामध्ये दि. २३-०८-२०१९ रोजी १६.०० पर्यंत कार्यकारी अभियंता (विद्युत), प्राधिकरण यांच्या कार्यालयामध्ये सादर करावा.

जा. क्र. विप्रा/विद्युत/२३० दिनांक - ०५.०८.२०१९

-सही/-

मुख्य कार्यकारी अधिकारी
पिंपरी चिंचवड नवनगर विकास प्राधिकरण

Disclaimer

Chief Executive Officer, Pimpri Chinchawad New Town Development Authority has prepared this Expression of Interest (EOI) document solely to prepare the RFP (request for proposal) for development of solar power plant at sector 5 & 8 of PCNTDA.

While the Pimpri Chinchawad New Town Development Authority has taken due care in the preparation of information contained herein and believes it to be accurate, neither the Pimpri Chinchawad New Town Development Authority or any of its Authorities or Agencies nor any of their respective officers, employees, agents or advisors give any warranty or make any representations, express or implied as to the completeness or accuracy of the information contained in this documents or any information which may be provided in association with it. This information is not intended to be exhaustive and interested parties are required to make their own inquiries and do site visits that it may require in order to submit the EOI. The information is provided on the basis that it is non-binding on the Pimpri Chinchawad New Town Development Authority, any of its authorities or agencies or any of their respective officers, employees, agents or advisors. The Pimpri Chinchawad New Town Development Authority reserves the right not to proceed with the bidding/procurement process at any stage without assigning any reasons thereof, or to alter the timetable reflected in this document or to change the process or procedure to be applied. It also reserves the right to decline to discuss the EOI further with any party submitting an EOI. No reimbursement of cost of any type will be paid to persons or entities submitting the EOI.

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PROJECT DETAILS

Pimpri Chinchwad New Town Development Authority invites the proposal for development of solar power plant at sector 5 & 8 of PCNTDA.

PCNTDA has undertaken the Pune International Exhibition & Convention Centre (PIECC) project, one of the most ambitious projects. This project is one of its own kind projects which will lead the Pimpri Chinchwad city to international level. It will be a matter of pride and setting an example if most of the electricity required for this project is generated through non-conventional energy resources and in the exhibition centre itself.

A 1.3 kilometer long gas pipeline passes through the Exhibition Center area in sector 5 & 8. By Gas company's regulations, we have to leave the 6 Mtrs. on one side of the pipeline and 12 Mtrs. on the other side. This space is required for repairs in case of emergency. So in this area of 18 Mtrs. plus area occupied by length and breadth of the pipeline cannot be used at all. No permanent construction is allowed in this 18 mtrs. of area.

This poses an opportunity to PCNTDA to demonstrate use of reserved non productive land for productive purpose using non-conventional energy resources. PCNTDA wants to develop the solar power plant for the PIECC project in the area reserved for PIECC project. For setting up the solar plant we have to install the solar photo voltaic (PV) panel for the capturing the solar rays.

We want to utilize the above said unutilized land for the installation of the solar photo voltaic (PV) panel without the permanent construction in the 18 meter section of the land reserved for the HPCL pipeline.

Our concept:

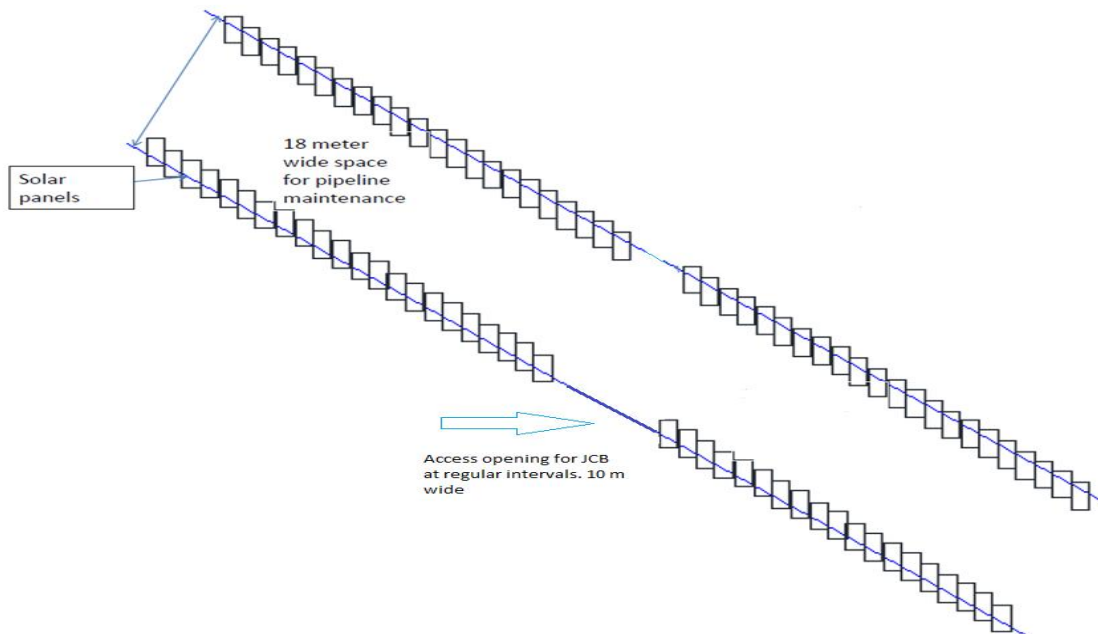
- PCNTDA area has an underground HPCL gas line in a stretch of approximately 1.3 km. For safety margins and maintenance purpose it has an open stretch of 18 meters wide space across the full length of the pipeline.
- On the both sides of 18 meter wide space, PCNTDA has also kept some space unutilized for the purpose of safety. The same unutilized space can be used to install solar panels on straight line without constructing any fixed structures / foundations in 18 meter wide space.
- This will enable PCNTDA to productively utilize maximum open space available with them.
- A sample drawing marked "Individual Panel" attached to this letter will elaborate more PCNTDA's proposal on this idea.
- Solar photo voltaic (PV) panel foundation will be constructed approximately 0.6 to 0.55 mtr away from the border of the 18 meter section of the land. But the approximate 1.5 to 1.8 mtr length of the solar photo voltaic (PV) panel will come over the area of 18 meter section reserved for the pipe line. The height of the panel will be around 3 to 3.5 mtr above the ground. Which is shown in the attached drawing.
- The drawing "Panel Array" attached hereto will give general idea as to how entire pipeline will look.
- If in the emergency conditions, there will be openings at regular intervals for easy access for maintenance of the gas pipeline. If in case JCB required for the excavation of the land, for this purpose 10 meter wide gap is considered for the access of the JCB. (The turning radius of JCB is 8.67 meter as per company catalogue)

Space utilization:

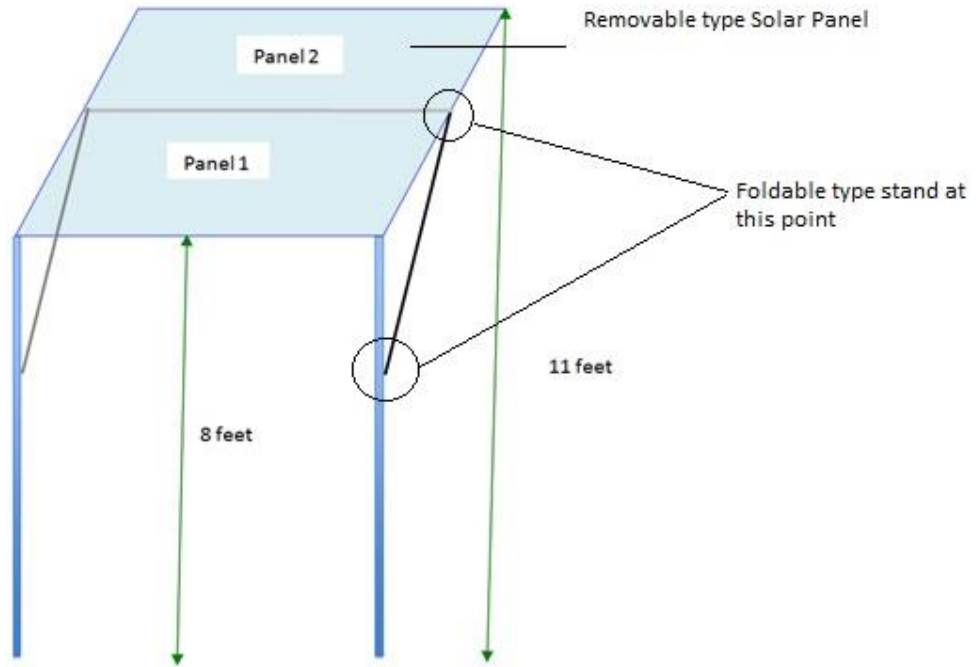
- Size of Panel for 300 Wp : 2 x 1 (LxB) in meters ó there will be 2 panels on a support structure.
- No of panels to be fitted on both sides of pipeline: 16,667
- Total area covered by panels: 33,334 sq.m For each structure, 1.5 x 2 Mtrs. of panel will hang on pipe line road
- Area covered over HPCL pipeline road (75%): 25,000.5 sq.m.
- Area covered over PCNDTA land : 8,333.5 sq.m.
- Maximum instantaneous expected generation 2.5 to 3 Megawatt.

Sr. No.	Project Name	Capacity of Project	Value of Project
1	Development of Solar park at sector 5 & 8 of PCNTDA	2 to 2.5 Mega watt	12 to 15 Crore

Panel Array:-



Individual Panel



SCOPE OF WORK

The said solar project is to be developed as per guild line of state government agency MSEDCL and MEDA. For development of solar park Govt. of India has issued some guild lines in the Government resolution No.: Apau -2015/pra.kra.49/part- 8/Eng-7 Dated 9th September, 2015

As per this government resolution said solar park at sector 5 & 8 of PCNTDA is to be developed.

1) The said solar park is to be developed in sector 5 & 8 of PCNTDA. The HPCL pipe line is passing through this area.

A 2-kilometer long gas pipeline passes through the Exhibition Center area in sector 5 & 8. By Gas company's regulations, we have to leave the 6 Mtrs. on one side of the pipeline and 12 Mtrs. on the other side. This space is required for repairs in case of emergency. So in this area of 18 Mtrs. plus area occupied by length and breadth of the pipeline cannot be used at all. No permanent construction is allowed in these 18 mtrs. of area.

So PCNTDA wants to use the reserved non productive land for productive purpose using non-conventional energy resources. PCNTDA wants to develop the solar power plant for the PIECC project in the area reserved for PIECC project. For setting up the solar plant we have to install the solar photo voltaic (PV) panel for the capturing the solar rays.

So first permission from HPCL Company is needed to install the solar panel near the vicinity of the 18 mtr. wide patch of pipe line as shown in the drawing above. So Contractor/Agency has to take permission from HPCL Company on behalf of PCNTDA for construction of solar panel as stated above.

2) After getting the permission the from HPCL company Contractor/Agency has to develop the solar park as per the guild lines issued in the government resolution.

We wants to utilize the above said unutilized land for the installation of the solar photo voltaic (PV) panel without the permanent construction in the 18 meter section of the land reserved for the HPCL pipeline.

Annexure - E

Methodology for Solar Power Projects as per Government resolution No.: Apau - 2015/pra.kra.49/part- 8/Eng-7 Dated 9th September, 2015

This methodology is applicable to the solar power projects included in the composite policy for new and renewable (non-conventional energy sources) power projects dated 20th July 2015. The policy prescribes a target of 7500 MW in respect of solar power projects.

1. The minimum capacity for solar power projects shall be 1 MW (outside solar park). The approval for grid connectivity will be given in accordance with the following guidelines ó

1.1 It will be necessary for the project developer to submit application for grid connectivity recommendation in the prescribed format to MEDA. The application should include, along with other details, details about the project capacity, project site location, details of nearest MSEDCL/MSETCL sub-station etc.

1.2 There will be a preliminary scrutiny of the application by MEDA office, subsequent to which the developer and MSETCL/MSEDCL will be informed for the purpose of technical feasibility report. MSETCL/MSEDCL shall prepare the technical feasibility report and furnish its copy to MEDA.

1.3 On receipt of the technical feasibility report, MEDA will verify its conformity with the solar power generation area, and make recommendation to MSETCL/MSEDCL for grid connectivity.

1.4 The application for grid connectivity by the project developer will be scrutinized by the Committee for grid connectivity constituted by MSETCL in which thorough consultation will be done.

The decision for the issuance of grid connectivity to the project will be taken by the Committee for grid connectivity constituted by MSETCL. It will be done as per the terms of reference and mechanism laid down for the Committee. Before issuance of grid connectivity, the committee will take review of earlier grid connectivity approvals. After review, if it is found that the progress of the project is not satisfactory, the Committee will first cancel the grid connectivity permission given to such projects. Permission / approval for new grid connectivity shall be given by MSETCL/MSEDCL as per the decision of the Committee and as per their prescribed methodology.

Commitment fee (Grid connectivity from MSETCL / MSEDCL)

1.5 The project developer will be required to deposit Rs. 1 Lakh per MW in the form of a Demand Draft as commitment fee (refundable) to MSETCL/MSEDCL for timely transmission of power from the project to the substation. The amount shall be paid in the name of Maharashtra State Electricity Transmission Company Ltd. / Maharashtra State Electricity Distribution Company Ltd., as the case may be, in form of a Demand Draft payable at Mumbai.

1.6 After getting grid connectivity permission, the project developer will be required to set up the evacuation arrangement within the time limit given by MSETCL/MSEDCL. The project developer / project holders shall set up evacuation arrangement according to the technical specifications of MSETCL/MSEDCL and as per their approval and supervision. No supervision charges will be taken by MSETCL/MSEDCL for this purpose. MSETCL/MSEDCL shall refund the commitment fee (without interest) to those project developers / project holders who will complete and commission their evacuation arrangement within the given time limit.

1.7 If the evacuation arrangement is not completed or no progress is shown within the given time limit as per the methodology of MSETCL/MSEDCL, then the grid connectivity permission given to the said project will be cancelled and the commitment fee will be forfeited by MSETCL/MSEDCL.

1.8 If the evacuation arrangement for grid connectivity is not getting completed within the given time limit and if there is some progress made in respect of the evacuation arrangement; and there is a request from the project developer, a review will be taken regarding the progress made and then extension of time limit to such projects can be considered. Such a review will be taken by the Committee for grid connectivity and appropriate decision for extension will be taken by it. MSETCL/MSEDCL shall charge fee for such extension. The information about the fees prescribed by MSETCL/MSEDCL for extension of time limit will be put on the website.

1.9 It will be necessary for the project developer to install ABT meter with telecommunication facility inside the pooling station for availability based rate mechanism. Moreover, it will be

mandatory to inform SLDC about the electricity generation through real time visibility RTU-DC, V-SAT.

1.10 For establishment of the evacuation arrangement and grid connectivity, the relevant MERC order/regulation will be applicable. MSETCL/MSEDCL will ensure conformity with such order / regulation.

Solar Park

1. Solar Park should include more than one solar power project. The project capacity of the individual solar power project within the solar park must be minimum 250 kW. The aggregate capacity of all the projects in the solar park should be minimum 1 MW and such solar park will be required to have common evacuation arrangement. For instance, if projects of 250 kW capacities are set up in one location aggregating 1 MW and common evacuation arrangement is also done, then such location can be termed Solar Park. Each solar power project under the solar park will be required to be registered with MEDA. The project developer shall furnish the essential documents and the prescribed fee to MEDA for registration of the solar power project.

2. Grid connectivity recommendation for solar park will be issued on submission of the documents as mentioned above at point no 1. Grid connectivity recommendation will be issued by MEDA for the total capacity of the solar park.

3. Registration of Solar Power Projects

The solar power projects to be set up under this policy will be required to be registered with Maharashtra Energy Development Agency (MEDA). The mode / route for sale of power generated from the solar power project shall be mentioned in the application for registration. After getting grid connectivity permission from MSEDCL/MSETCL, the project developer is required to submit the following attested documents to MEDA.

- a) Grid connectivity consent / permission received from MSETCL/MSEDCL
- b) Documents in respect of land ownership e.g. registered sale deed and 7/12 extract; consent letter from the District Collector, if any.
- c) Detailed Project Report (DPR)
- d) Solvency certificate to the extent of 30% of project cost from any nationalized/scheduled bank
- e) Notarized undertaking/s as prescribed by MEDA
- f) The project developer who wants to develop the project in a solar park will connect the project on the basis of the grid connectivity consent / permission obtained by the solar park developer; and a joint undertaking giving details of grid connectivity consent / permission will have to be furnished to MEDA.

3.1. If the project developer / promoter wants to set up the project on government waste land, it will be necessary to furnish to MEDA a consent letter from the District Collector, to the effect that the government land will be granted for the solar power project upon registration with MEDA.

3.2 Project Registration Fee-

The project developer will be required to furnish registration fee of Rs. 50,000/- per MW in the form a Demand Draft in favour of Maharashtra Energy Development Agency (MEDA) payable at Pune.

3.3 Commitment fee ó

The project developer will be required to commission the project in the prescribed period mentioned in the registration letter, that is, within eighteen months from the date of registration with MEDA. For this purpose, the project developer will have to pay Rs. 3 lakh per MW as commitment fee in the form of bank guarantee of any nationalized bank at the time of registration of the project with MEDA.

3.4 After receipt of proposal with necessary documents and the requisite fee for getting project registration from the project developer / project holder for the solar power project, the proposal will be scrutinised by MEDA office.

Accordingly, if all necessary documents are received and the proposal is complete in all respects, the project registration will be issued to the project developer by MEDA office after approval from the Hon. Chairman, MEDA. The validity of registration shall be for eighteen months only.

4. MEDA will release the bank guarantee in respect of the commitment fee, only after receiving the commissioning certificate from MSEDCL/MSETCL to the effect that the said project is commissioned within the period of eighteen months.

4.1 If the project developer / project holder does not commission the project within the stipulated time and does not take extension then the commitment fee deposited in form of Bank gurantee will be encashed by MEDA

5. If the project is not commissioned within eighteen months on account of valid and justifiable reasons and the same is intimated by the project developer before the expiry of the period prescribed for commissioning of the project, then MEDA will examine the matter for giving extension to the project.

6. Extension Fee ó

6.1 The extension to the project will be given for a maximum period of 12 months in two stages. For availing the first extension of six months, the developer shall pay Rs. 1 lakh per MW and for the extension of the next six months, the developer shall pay Rs. 2 lakhs per MW to MEDA as extension fee and such extension will be granted by MEDA office. If the project cannot get commissioned as per the extension period of 12 months, the project commitment fee shall be forfeited by MEDA.

6.2 The solar power project registered with MEDA shall be eligible to avail incentives and policy benefits under the composite new and renewable energy policy-2015. This aspect will be incorporated in the registration letter to be issued by MEDA.

7. Public Private Partnership (PPP): The project developers / project holders setting up their projects under PPP mode will be required to register their projects with MEDA. This registration will be

done after the execution of project development agreement between MAHAGENCO and project developer / project holder.

8. Competitive Bidding ó

The projects getting developed under the competitive bidding process will be required to be registered with MEDA. The registration will be done after the project developer/project holder is selected by the distribution licensee. The competitive bidding procedure should be as per the guidelines issued by the Ministry of New and Renewable Energy and with the approval of MERC.

9. A separate methodology will be issued by MAHAGENCO and by the Water Resources Department, respectively, for the development of solar project under PPP mode and for canal top solar power projects.

10. The projects which are underway but are not commissioned by the date of declaration of this solar policy will be required to be registered with MEDA.

11. The project developers shall fulfill all legal and statutory requirements before and after implementing the solar power project. Further it shall be necessary for them to get approvals, consent and no-objection certificates for the project directly from the respective departments and to abide by the rules and regulations of such departments. The entire responsibility in this context will be that of the project developers. The project developers / project holders will have to submit undertaking / undertakings, as prescribed by MEDA, to this effect. MEDA will accord cooperation to the project developers / project holders in this context.

12. The solar power projects will be eligible to execute power purchase agreement or to seek open access approval or to sell energy through Renewable Energy Certificates only upon obtaining project registration from MEDA. The project registration will be granted upto the limit of the target of 7500 MW prescribed under this policy.

13. The project developer shall submit a copy of the power purchase agreement / open access approval of MSETCL/MSEDCL to MEDA office soon after it is executed / obtained by them.

14. Other fees / charges ó

The project developers / project holders shall submit separate applications to MEDA in respect of any matter other than project registration, for example, change in project name / ownership, etc. MEDA will process such applications. The processing fee of Rs. 25,000/- per project shall be deposited with MEDA, in the form of a Demand Draft.

15. Commissioning of Projects ó

The project developers / project holders shall submit the project commissioning certificate of the respective distribution licensee to MEDA. A note will be taken in MEDA office records of the commissioning of the project.

16. It shall be necessary for the project developers/project holders to submit yearly (financial year-wise) electricity generation report, duly certified by SLDC, to MEDA.

The Contractor / Agency have to do above said work stated in Government resolution for development of solar park at sector 5 & 8 of PCNTDA.

Eligibility Criteria

The eligibility criteria in respect of experience of firms have been mentioned below.

Sr. No.	Criteria	Remark
1	Firm should have experience of development of solar park capacity more than 1 mega watt as per government GR stated above in India	Hard copy of the relevant certificate should be attached
2	Firm should have experience of commissioning of solar park capacity more than 1 mega watt as per government GR stated above in India	Hard copy of Commissioning certificate should be attached
3	Annual financial turnover should be more than 15 Cr	Hard copy of annual financial turnover certified by CA should be attached
4	Year of Establishment of firm	Hard copy of the same should be attached

The Contractor / agency who possess the above said experience only participate in the EOI process. The Contractor / agency have to submit the hard copy of the above said experience with EOI.

Guidelines about How to Prepare Expression of Interest

Please include in your response the following information.

A.) Respondent organization including:

1. Name(s) or organization(s) and addresses;
2. Contact information;
3. Size(s) of organization(s) in terms of revenue and employees;
4. Years in business; and
5. Type(s) of entity(ties)

B) Methodology of the Construction

The contractor / agency should state the methodology of the construction. Methodology should include detailed DPR for the development of solar park at sector 5 & 8 of PCNTDA.

C) Financial Resource:-

The development of project will be on BOT (Built operate & transfer) Basis.

In this contractor / agency will develop the solar park on its own cost. Then contractor / agency will operate the solar park for the certain period. Then contractor / agency will transfer the solar park to PCNTDA after agreement period.

In this scenario contractor / agency should develop the solar park as per the guild lines stated above. The contractor / agency have to find the suitable buyer of the energy generated through solar park. Then operate the solar park for the certain period.

The contractor / agency will give the financial offer to PCNTDA for giving the opportunity for development and operate the solar park for certain period.

Then after completion of operating period the contractor / agency will transfer the solar park to PCNTDA in working condition.

The contractor / agency have to submit detailed financial calculation for this BOT model.

Any contractor / agency who are eligible as per the eligibility criteria will submit the EOI. The EOI should includes information as stated above in A, B and C stated above.

The EOI should be submitted in hard copy in the office of Executive Engineer, Electrical Division, PCNTDA within the timeline as stated above.

Note:- This EOI is published for the gathering the information for publishing the RFP / Tender for the development of solar park at sector 5 & 8 of PCNTDA.

Letter of Request for Information Submission

To,
CEO, PCNTDA,
Akurdi, Pune-411044

Sub: Request for Information for development of solar power plant at sector 5 & 8
of PCNTDA.

Sir/ Madam,

The undersigned is the authorized representative of the -----

------(Name & address of organization), have read and understood
the terms & conditions of EOI document in respect of hiring of a organization for
carrying out works related to ECBC & do hereby express & agree to provide services to
Government/Semi-Government Departments/Local Bodies & Individuals.

Thanking you.

Yours faithfully,

Authorized Signature: -----

Name and Title of Signatory: -----

Name of the organization: -----

Seal: -----