

**GOVERNMENT OF INDIA  
DEPARTMENT OF SPACE  
CONSTRUCTION AND MAINTENANCE GROUP, SDSC SHAR  
SRIHARIKOTA-524 124**

**PREQUALIFICATION DOCUMENT**

**Name of the work:**

**Infrastructure for Setting up of New Launching Station for Small Satellite Launch Vehicles – Planning Design, Construction and Commissioning in EPC mode (Civil, PH, Electrical, Air-Conditioning, Mechanical and Allied Works)**

**PQ Notice No: CMG/C/ V 1887046 dated 04.01.2019**

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PQ doc. issued to : -----

Address : -----  
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Issued on : -----

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This document contains **41** pages.

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**GOVERNMENT OF INDIA  
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CONSTRUCTION AND MAINTENANCE GROUP, SDSC SHAR  
SRIHARIKOTA-524 124**

**PQ Notice No: CMG/C/V 1887046 Dated: 04.01.2019**

On behalf of President of India, 'Group Director, Construction & Maintenance Group, SDSC SHAR' invites applications from bidders for Pre-qualification for the following composite work on EPC mode (Design & build).	
Name of work	<b>Infrastructure for Setting up of New Launching Station for Small Satellite Launch Vehicles – Planning Design, Construction and Commissioning in EPC mode (Civil, PH, Electrical, Air-Conditioning, Mechanical and Allied Works)</b>
PQ Notice No.	<b>CMG/C/V 1887046, dated:04.01.2019</b>
Estimated Cost	<b>₹400 Crores (Tentative Project Cost)</b>
Period of Completion	<b>12 Months</b>
Cost of PQ document	Rs.1,000/- for issue in person (plus Rs. 500.00 by post)
Period during which PQ document can be downloaded on websites/ obtained from the office of GD CMG, SDSC SHAR	<b>08/01/2019 10:30 hrs To 15/01/2019 upto 14:30 hrs</b>
Last date and time for receipt of filled up PQ documents.	<b>22/01/2019 upto 14:30 hrs</b>
Due date and time of opening of PQ.	<b>22/01/2019 at 15:00 hrs</b>
Detailed PQ notice and other relevant details are available on websites. Interested tenderers may please refer Detailed Notice Inviting Tender (NIT) from website <a href="http://www.isro.gov.in">www.isro.gov.in</a> Ph: 08623 226447, 226420.	

**Group Director, CMG, SDSC SHAR**

**GOVERNMENT OF INDIA  
DEPARTMENT OF SPACE  
CONSTRUCTION AND MAINTENANCE GROUP, SDSC SHAR  
SRIHARIKOTA-524 124**

**NOTICE FOR PRE-QUALIFICATION (PQ) OF BIDDERS**

**PQ Notice No: CMG/C/V 1887046, Dated:04.01.2019**

1. On behalf of President of India, 'Group Director, Construction & Maintenance Group, SDSC SHAR' invites applications from bidders for Pre-qualification for the following composite work on EPC mode (Design & build).

<b>Sl. No</b>	<b>DESCRIPTION</b>	<b>Details</b>
1.	Name of work	<b>Infrastructure for Setting up of New Launching Station for Small Satellite Launch Vehicles – Planning Design, Construction and Commissioning in EPC mode (Civil, PH, Electrical, Air-Conditioning, Mechanical and Allied Works)</b>
2.	Estimated cost (Approximate)	<b>Rs. 400 Crores (Tentative Project Cost)</b>
3.	Over all period of Completion	<b>12 Months</b>
4.	Cost of PQ document	Rs.1,000/- for issue in person (plus Rs.500.00 by post)
5.	Period during which PQ document can be downloaded on websites/ obtained from the office of GD CMG, SDSC SHAR	<b>08/01/2019 10:30 hrs To 15/01/2019 upto 14:30 hrs</b>
6.	Last date and time for receipt of filled up PQ documents.	<b>22/01/2019 upto 14:30 hrs</b>
7.	Due date and time of opening of PQ.	<b>22/01/2019 at 15:00 hrs</b>

2. Estimated cost shown above is only indicative. The figure may vary by about  $\pm 10\%$  at time of actual tendering.

3. Bidders who fulfill the following requirements shall be eligible to apply for pre-qualification with a copy of the self-attested documents:

Sl. No	Eligibility Criteria	Documentary proof for the eligibility (Self attested copies to be submitted)
I.	<p><b><u>COMPOSITE WORK EXPERIENCE</u></b></p> <p>The main bidder should have satisfactorily completed,</p> <p><b>‘One similar composite work costing not less than 80% of the estimated cost, i.e. Rs.320 Crores’</b> as mentioned below during the last seven years ending previous day of last date of submission of PQ document:</p>	<p>Certified copy of work order / Purchase Order and Completion certificate issued by the competent authority concerned to establish composite work experience.</p> <p>Completion certificates for works issued by Private parties shall be supported by TDS (Tax Deducted at surces) certificates.</p>
<p><b>Note:</b></p> <p>i) <i>Similar nature of composite work shall mean:</i></p> <p>“Construction of major laboratory/ Industrial buildings as a <b>HYBRID STRUCTURE</b> having minimum height of <b>20mtrs</b> with minimum area of <b>5000 sqm</b> (not necessarily as a single building) involving Civil, PH, Electrical, AC, Mechanical and allied works, executed in the same contract as a composite work”.</p> <p>ii) The value of executed work shall be brought to current costing level by enhancing the actual value of work at a simple rate of 7% per annum, calculated from the date of completion to last date of submission of PQ document (including fraction of years) .</p> <p>iii) Work executed as subcontract will not merit for prequalification.</p>		
II.	<p><b><u>DETAILED DESIGN</u></b></p> <p>For Engineering part of the work involving detailed planning and design, the main bidder can engage a consultant for carrying out detailed Architectural Planning , Design of Structures, Public Health Engineering, Firefighting, Electrical, Air conditioning, Mechanical works &amp; other allied services through either,</p> <ul style="list-style-type: none"> <li>• One of the Department Emplaneled consultant having experience in planning of works more than Rs.50 Crores (list of consultants enclosed)</li> </ul> <p style="text-align: center;">(or)</p> <ul style="list-style-type: none"> <li>• Engage any other reputed/ qualified consultants having experience in Planning, Design of similar nature &amp; quantum of works, with the prior approval of Department.</li> </ul> <p>The design submitted by the consultants shall be subjected to proof checking by Department and required corrections will have to be incorporated in the design and drawings at no additional cost.</p>	
III.	<p>The bidder should clearly indicate how it is proposed to carry out the Electrical, AC &amp; Mechanical works of the contract i.e. whether directly or through sub-contractor giving full details &amp; declaration which is binding (to be declared along with the offer now).</p>	

IV.	<b>FINANCIAL ELIGIBILITY</b>	
a)	<p><b><u>ELECTRICAL WORK EXPERIENCE</u></b></p> <p>The agency should have satisfactorily completed,</p> <p><b>‘One similar <u>Electrical work</u> costing not less than 80% of the Electrical component in estimate cost. i.e; Rs. 65 Crore’</b> as mentioned below during the last seven years ending previous day of last date of submission of PQ bid.</p> <p>The agency who is executing <b><u>Electrical works</u></b> (either main bidder or authorized sub-contractor) shall possess valid electrical contractor's license of appropriate class and category issued by Central or State electricity authority.</p> <p><b>Note:</b></p> <p>i) Similar nature of Electrical work shall mean:  <i>“Internal and External Electrical works comprising 11kV/433V substation including distribution transformer, HT panel, power distribution system, , LT Panels, earthing, lightning protection systems, installation of DG set ”</i></p> <p>ii) The value of executed work shall be brought to current costing level by enhancing the actual value of work at a simple rate of 7% per annum, calculated from the date of completion to last date of submission of PQ document (including fraction of years) .</p>	<p>Certified copy of work order and completion certificates for a separate Electrical work or part of composite issued by the authority concerned to establish work experience.</p> <p>Completion certificates for work issued by Private parties shall be supported by TDS (Tax Deducted at Source) certificates.</p> <p>Certified copy of valid electrical contractor's license (of the main bidder or sub-contractor depending on the proposed mode of execution) shall be submitted along with PQ bid.</p>
b)	<p><b><u>AC WORK EXPERIENCE</u></b></p> <p>The agency should have satisfactorily completed,</p> <p><b>‘One similar <u>AC work</u> costing not less than 80% of the AC component in estimate cost. i.e Rs. 30 Crore’</b> as mentioned below during the last seven years ending previous day of last date of submission of PQ bid.</p> <p><b>Note:</b></p> <p>i) Similar nature of AC work shall mean:  <i>“Successfully supplied, installed, tested, commissioned centralized chilled water A/c system consisting of High side &amp; low side system, minimum 500 TR capacity, involving clean room of <b>Class 1 lakh</b> having area not less than 200 Sq.m”</i></p> <p>ii) The value of executed work shall be brought to current costing level by enhancing the actual value of work at a simple rate of 7% per annum, calculated from the date of completion to last date of submission of PQ document (including fraction of years) .</p>	<p>Certified copy of work order and completion certificates for a separate AC work or part of composite issued by the authority concerned to establish work experience.</p> <p>Completion certificates for work issued by Private parties shall be supported by TDS (Tax Deducted at Source) certificates.</p>

a)	<p><b><u>Turnover:</u></b> Should have had average annual financial <b>turnover of Rs.400 Crores</b> of the work during the last three years ending 31<sup>st</sup> March of preceding year i.e.31-03-2018.</p>	<p>Certified copy from Chartered Accountant for the Annual financial turnover and balance sheet showing Profit &amp; loss to be submitted along with PQ bid.</p>
b)	<p><b><u>Profit &amp; Loss:</u></b> Should not have incurred any loss in <b>more than two years</b> during the last five years ending 31<sup>st</sup> March 2018.</p>	
c)	<p><b><u>Solvency:</u></b> Should have a solvency of 40% of the estimated cost of the work i.e. <b>Rs.160 Crores.</b></p>	<p>Certified copy of current solvency certificate from any Schedule bank obtained for current financial year.</p>
d)	<p>The bidding capacity of the applicant should be more than the estimated cost <b>(Rs.400 crores)</b> of the work put to Pre-qualification. The bidding capacity shall be worked out and declared by the applicant/ bidder and enclosed with the request for document based on the formula: <math>(A \times N \times 2) - B</math> where, A- Maximum value of work executed in one year (<b>maximum turnover in one year</b>) during last 5 years at current price level taking into account the work completed as well as work in progress. B- Value of existing commitments and ongoing work to be completed during the next 'N'years at current price level. N- Number of years prescribed for completion of the subject contract for which bids are invited. (N= Period of completion in Months/12)</p>	<p>i. Statement showing the value of existing commitment and ongoing works as well as the stipulated period of completion remaining for each of the works listed to be furnished ( as per Format 1). ii. Current costing level for value of work may be worked out by by enhancing the actual value of work at a simple rate of 7% per annum, calculated from the date of completion to last date of submission of PQ document (including fraction of years) .</p>

4. On request in writing, with requisite fee of Rs. 1,000/- in the form of crossed Demand Draft for appropriate amount issued by a scheduled Bank in favour of the '**Accounts Officer, SDSC SHAR**' payable at Sriharikota, Pre-Qualification (PQ) documents can be obtained from Office of the Group Director, CMG, SDSC SHAR on any working day during the period mentioned in Para 1 above, except on Saturdays, Sundays & Public Holidays.

Requisition for issue of PQ documents by post shall be accompanied by account payee Demand Draft for Rs. 1,500/- towards cost of PQ document and stationary & postage charges (non-refundable) drawn in favour of '**Accounts Officer, SDSC SHAR**' payable at Sriharikota. The documents can also be downloaded from ISRO website: <http://www.isro.gov.in>.

The PQ document downloaded by the agencies from the website shall also be valid for participation in the pre-qualification process. Those making use of the PQ documents downloaded from the website **shall have to pay the cost/fee of PQ document as**



specified above in the form of crossed **Demand Draft for Rs.1,000/-** issued by a scheduled Bank in favour of the '**Accounts Officer, SDSC SHAR**' payable at Sriharikota along with the submission of PQ bids. PQ bids received **without the requisite fee shall be considered as invalid.**

5. The duly completed PQ bids along with requisite documents in hard copy (**including Demand draft for cost of PQ document for those making use of the PQ documents downloaded from the website**) should be submitted in sealed cloth lined cover. This cover shall be super-scribed with 'Pre-Qualification Bid' and also the name of the work, PQ Notice number and name of applicant/ bidder. This cover shall contain the full set of PQ documents issued to the applicant/ bidder, duly filled in and signed.
6. Applicant/ bidder shall sign all the pages of PQ bid including Formats and Forms without fail. The original PQ document, duly filled in at required pages should be returned along with the PQ bid.
7. PQ bids will be received and opened at the Office of the Group Director CMG, SDSC SHAR on the stipulated date and time specified in Para 1 above. Delayed and late submission of PQ bids will be summarily rejected. PQ bids will be opened in the presence of attending bidders or their authorized representatives.
8. On the due date of opening, the PQ bids will be opened. Further detailed scrutiny / evaluation will be carried out in following stages :

**Stage-1:** During the evaluation of PQ bids, the documents furnished by the bidders will be scrutinized in detail by Technical Evaluation Committee (TEC). Any application/ PQ bid, found as not fulfilling the eligibility criteria will be rejected at this stage and such offers will not be considered for further processing.

**Stage-2:** The competency of the main bidders as well as sub-contractors will be further evaluated by a Technical Evaluation Committee (TEC) including inspection of selected works carried out. The Technical Evaluation format including the evaluation criteria is enclosed.

**Only those bidders who satisfy requirements under Stage-1 will be eligible for evaluation process under Stage-2. The bidders who are finally shortlisted after the complete evaluation will be qualified for further participation in the restricted tender for submission of their competitive offers.**

**Note:** Any particular bidder who has been technically evaluated by any of ISRO Centres in the past one year for any work of similar nature and magnitude and for same criteria of evaluation, such bidders will not be re-evaluated and the scores of the previous evaluation will be taken for the assessment of the eligibility for the present pre-qualification.

9. The accepting authority On behalf of The President of India is not bound to accept any of the applications received and reserves the authority to reject any or all the applications received without assigning any reason.
10. Canvassing directly or indirectly, in connection with Pre-Qualification is strictly prohibited and the PQ bids submitted by the bidders who resort to canvassing will be liable for rejection.
11. The bidders shall not be permitted to participate in Pre-qualification for works in the Group / Division of that particular ISRO Centre of the Department of Space responsible for award and execution of contracts for which his/her near relative is working. He/she shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any Gazetted Officer in the Department of Space. Any breach of this condition by the bidder would render him liable for rejection of PQ bid or cancellation of contract in case of award of work after tendering process.
12. **Applications from Joint ventures will not be accepted for PQ evaluation.**

**Group Director, CMG, SDSC SHAR**

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DEPARTMENT OF SPACE  
CONSTRUCTION AND MAINTENANCE GROUP, SDSC SHAR  
SRIHARIKOTA-524 124**

**PQ Notice No: CMG/C/V 1887046, Dated 04.01.2019**

**BRIEF PARTICULARS OF THE WORK**

**1. General:**

The details of work for which pre-qualification applications are invited are as under:

Name of Work	Approx. cost	Approx. area	Approx. height
Infrastructure for Setting up of New Launching Station for Small Satellite Launch Vehicles – Planning Design, Construction and Commissioning in EPC mode (Civil, PH, Electrical, Air-Conditioning, Mechanical and Allied Works)	₹ 400 Cr	15000 Sq.m (Carpet area)	5m/ 15m/ 20m/ 40m/ 50m

**2. Approximate Cost Break-up**

Sl. No	Description	Cost (Rs in Cr)
1.	Civil works	225.00
2.	PH & Firefighting works	4.00
3.	Electrical works	72.00
4.	AC works	33.00
5.	Mechanical works	20.00
	Sub-total	354.00
	Taxes & Cess	46.00
	<b>Total</b>	<b>400.00</b>

**3. About the facility**

The project consists of technical facilities, launch pad facilities, auxiliary facilities and infrastructure as briefed below,

- i) The technical facilities comprises of cluster of **seven buildings** relating to Stage Preparation and Integration of area 6600 Sq.m with height varies from 15m/ 20m/ 40m/ 50m.
- ii) Launch pad facilities consists of Jet Deflector pit to divert exhaust gases during launch (depth varying from 0 to 8m below ground level) with proper drainage arrangement, Pad foundation, Lightning Protection Towers, Technical Service Building of 1200 Sq.m area, Mobile Launch Pedestal rail track of 1.5km length etc.,
- iii) Auxiliary facilities include six support buildings of total area 4900 Sq.m for control centre, checkout labs, tracking, range instrumentation, storage facility. The facility consists of 2400 Sq.m area substation and AC plant room.
- iv) Other infrastructure facilities include roads, service trenches of 1Km length, fire fighting, external electrical works, STP, GLR, OHT, RWH etc., along with few service quarters.

#### **4. Scope of work**

- a) Planning, Design, Supply, Fabrication, Erection, construction and Commissioning of the above facilities as **HYBRID STRUCTURE (Pre- Engineered Steel building + Precast Concrete building + Conventional RCC structure) including services** – PH, Electrical, AC, Mechanical and other allied works, as per the Department requirements. The design shall suit fast track Construction.
- b) PH works involve internal & external water supply, fire fighting, sewage, effluent collection pit (STP), GLR, OHT, RWH etc.,
- c) Internal & external electrification works including 11kV/433 V substation with distribution transformers, HT panels, flame proof fittings, distribution boards, LT panels, cable management system, power supply to AC & Mechanical loads, emergency and UPS power supply distribution system, smoke detection & fire alarm/ Hydrant earthing, Lighting Protection System, street lighting etc.,
- d) AC works involve clean room of class 1 lakh of approx. 800 Sq.m area, Chilled water piping, A/C plants, split AC units etc.,
- e) Mechanical works involve FLP EOT cranes of capacity 125T/ 60T/ 30T/ 25T and 15T non-FLP EOT cranes, motorized steel sliding doors of size 25x10m/ 15x10m and service and passenger lifts.

*Note: Design shall suit for Coastal Environment and Fast Track Construction.*

5. Work shall be executed according to standards, safety code and specifications etc. of ISRO / DOS, which are available in the website – [www.isro.gov.in](http://www.isro.gov.in). A copy of the same is available in Office of Group Director, CMG, SDSC SHAR
6. General condition of contract also available in the said website for reference. However, work specific conditions will be issued along with the tender.
7. Exact details of all facilities and project requirement will be furnished at the time of bidding among the prequalified bidders.

**Group Director, CMG, SDSC SHAR**

**GOVERNMENT OF INDIA  
DEPARTMENT OF SPACE  
CONSTRUCTION AND MAINTENANCE GROUP, SDSC SHAR  
SRIHARIKOTA-524 124**

**Name of the work:**

**Infrastructure for Setting up of New Launching Station for Small Satellite Launch Vehicles – Planning Design, Construction and Commissioning in EPC mode (Civil, PH, Electrical, Air-Conditioning, Mechanical and Allied Works)**

**PQ Notice No: CMG/C/V 1887046, Dated: 04.01.2019**

**DECLARATION BY THE BIDDER**

1. I/ We, \_\_\_\_\_ hereby declare that we propose to carry out **detailed design of the work** including PH, Electrical, AC, Mechanical works etc through consultant M/s. \_\_\_\_\_.
  
2. I/We, \_\_\_\_\_ hereby declare that we propose to execute the **Electrical works** of the subject work by ourselves or through subcontractor- \_\_\_\_\_ (*strike out whichever not applicable*).
  
3. I/We, \_\_\_\_\_ hereby declare that we propose to execute the **AC works** of the subject work by ourselves or through subcontractor- \_\_\_\_\_ (*strike out whichever not applicable*).

**(Signature of the tenderer)**

**NOTE ON MECHANICAL WORKS**

The bidder shall carry out Mechanical works (EOT cranes, Lifts and steel door) as per the Department approved makes and specifications and shall engage a reputed Mechanical vendor to carry out the works, with due approval of Department.

**(Signature of the tenderer)**

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**PQ Notice No: CMG/C/V 1887046, Dated: 04.01.2019**

**GUIDELINES FOR TECHNICAL EVALUATION OF BIDDERS FOR  
PRE-QUALIFICATION**

- 1) Work executed by main bidder shall be directly for the client. **Work executed as sub-contract or joint venture will not be considered for eligibility / short listing/ evaluation in Pre-qualification of the main bidder.**
- 2) For technical evaluation, at the discretion of the Technical Evaluation Committee (TEC), one completed work and one ongoing work of the bidder of similar nature & magnitude will be inspected. Bidders shall submit the list of works as per Formats 1 & 2 enclosed.
- 3) If the bidder has already executed and completed works for Department of Space or in the process of executing any on-going work with Department of Space, of similar nature, then evaluation may be carried out based on inspection of these works also.
- 4) Evaluation criteria is mentioned in this PQ document.
- 5) The evaluation will be carried out for each component (Civil & PH, Electrical, A/C and Mechanical works) of the composite work and the main agency/ sub-agency should qualify in each component of the work individually.
- 6) Further, bidders are requested to furnish their company/ firm details, financial information & litigation history in the Forms 'A', 'B' & 'C' of this document.

**Group Director, CMG, SDSC SHAR**

## EVALUATION FORMAT

**Infrastructure for Setting up of New Launching Station for Small Satellite Launch Vehicles – Planning Design, Construction and Commissioning in EPC mode (Civil, PH, Electrical, Air-Conditioning, Mechanical and Allied Works)**

### ABSTRACT

Sl. No	Parameters Quality	Max. marks	Min. marks required for qualification	Marks secured by the agencies
1	Quality	30	25	
2	Adherence to time	30	25	
3	Work culture	20	15	
4	Safety	20	15	
Total marks		100	<b>90</b>	

**Note :** In addition to minimum qualification marks for the individual traits (1 to 4) indicated above, the total minimum qualification marks **(90)** indicated shall also be secured for a main bidder (for composite work) as well as sub-contractor (for service components) to be technically qualified.

Name of agency : \_\_\_\_\_

Name of work inspected : \_\_\_\_\_

### 1. QUALITY

Total Marks: 30

**1(A) For Civil & PH works [Executed by M/s. ....]**

Sl.No	Description	Max. marks	Marks secured by the agency
<b>1.1</b>	<b>General</b>		
a.	ISO Certification	<b>2</b>	
b.	Availability of identified quality wing and testing laboratories.	<b>2</b>	
<b>1.2</b>	<b>Quality Practices as evaluated at Site</b>		
a.	Whether regular quality checks carried out on materials / items used in execution ?	<b>3</b>	
b.	General practices adopted at site for execution of work.	<b>3</b>	
<b>1.3</b>	<b>Grading of Workmanship</b>		
<b>1.3.1</b>	<b>Structural work</b>	<b>2</b>	
a.	Line, Level and plumb		
b.	Finish at Junctions		
c.	Free from visible defects (like cracks, honeycomb, bulging, insufficient cover etc .,)		
d.	General workmanship		
<b>1.3.2</b>	<b>Plastering</b>	<b>2</b>	
a.	Surface finish		
b.	Finish at joints		
c.	Defects like cracks		
d.	Finishing of grooves		
e.	Dampness		



<b>1.3.3</b>	<b>Painting</b>	<b>2</b>	
a.	Even shade		
b.	Preparation of surface		
c.	General painting workmanship		
<b>1.3.4</b>	<b>Flooring, Dadoing, Skirting</b>	<b>2</b>	
a.	Uniformity in colour and shade		
b.	Level		
c.	Joints		
d.	Slopes/ depressions in toilets etc.,		
<b>1.3.5</b>	<b>Joinery</b>	<b>2</b>	
a.	Dimensional accuracy		
b.	Quality of hardware fittings		
c.	Glass quality		
d.	Fixing of glass		
<b>1.3.6</b>	<b>General workmanship of Special items:</b>	<b>2</b>	
a.	False ceiling		
b.	Underdeck insulation		
c.	Acoustic treatment		
d.	Cladding		
e.	Any other items		
<b>1.3.7</b>	<b>General workmanship of WPC, Roof drainage, Roof Leakage/ Dampness, Coving/ Gola etc.,</b>	<b>3</b>	
<b>1.3.8</b>	<b>General workmanship of Services :</b>		
<b>i.</b>	<b>Public Health</b>	<b>5</b>	
a.	Plumbing/ sanitary items		
b.	Plumbing fixtures		
c.	Any other items		
	<b>Total marks</b>	<b>30</b>	

Name of agency : \_\_\_\_\_

Name of work inspected : \_\_\_\_\_

### 1. QUALITY

**Total Marks: 30**

#### **1(B) For Electrical Works [Executed by M/s. ....]**

SI.No	Description	Max. marks	Marks secured by the agencies
<b>1.1</b>	<b>General</b>		
a.	ISO Certification	<b>2</b>	
b.	Availability of identified quality wing and testing laboratories.	<b>2</b>	
<b>1.2</b>	<b>Quality Practices as evaluated at Site</b>		
a.	Whether regular quality checks carried out on materials / items used in execution ?	<b>3</b>	
b.	General practices adopted at site for execution of work.	<b>3</b>	
<b>1.3</b>	<b>Grading of Workmanship</b>		
1.3.1	Conduiting and wiring practices for lights and fans.	<b>2</b>	
1.3.2	Alignment of installations – lights, fans, power sockets / switches etc.	<b>2</b>	
1.3.3	DB fixing/ dressing	<b>2</b>	
1.3.4	Panel design, layout, installation, quality & finishing and safety features	<b>2</b>	
1.3.5	External cable routing, laying and dressing	<b>2</b>	
1.3.6	Earthing	<b>2</b>	
1.3.7	Lightning protection works	<b>2</b>	
1.3.8	Smoke detection and fire alarm system works	<b>2</b>	
1.3.9	Adherence to standard code of practice	<b>2</b>	
1.3.10	Overall finishing	<b>2</b>	
	<b>Total marks</b>	<b>30</b>	

## 1. QUALITY

Total Marks: 30

### 1(C) For Air Conditioning Works [Executed by M/s. ....]

Sl.No	Description	Max. marks	Marks secured by the agency
<b>1.1</b>	<b>General</b>		
a.	ISO Certification	<b>2</b>	
b.	Availability of identified quality wing and testing laboratories.	<b>2</b>	
<b>1.2</b>	<b>Quality Practices as evaluated at Site</b>		
a.	Whether regular quality checks carried out on materials / items used in execution ?	<b>3</b>	
b.	General practices adopted at site for execution of work.	<b>3</b>	
<b>1.3</b>	<b>Grading of Workmanship</b>		
<b>1.3.1</b>	<b>High side AC system</b>		
a.	Chiller package: Chiller units/ condensing unit installation work	<b>1</b>	
b.	Refrigerant pipe work	<b>1</b>	
c.	Cooling tower and condenser water pump installation work	<b>1</b>	
d.	Condensed water piping work	<b>1</b>	
e.	Chiller water pumps/ expansion tank work etc.,	<b>1</b>	
f.	Chilled water piping & installation work	<b>1</b>	
g.	Cabling & Earthing work (Cable laying/ routing/ dressing)	<b>1</b>	
h.	Power & Control panels, Controls & Safety features	<b>1</b>	
i.	Sound & Vibration of the plants	<b>1</b>	
j.	Overall finishing, Neatness, feasibility for maintenance	<b>1</b>	

<b>1.3.2 Low side AC system</b>			
a.	Air handling units/ blower system work	<b>1</b>	
b.	Chilled water piping & Installation work	<b>1</b>	
c.	Ducting work	<b>1</b>	
d.	Heater banks/ grilles work	<b>1</b>	
e.	Filter banks & filter arrangements	<b>1</b>	
f.	Acoustic/ thermal installationwork	<b>1</b>	
g.	Cabling & Earthing work (Cable laying/ routing/ dressing)	<b>1</b>	
h.	Overall finishing, Neatness, feasibility for maintenance	<b>1</b>	
i.	Confirmation of achieving inside design conditions	<b>1</b>	
j.	After sales service/ AMC	<b>1</b>	
<b>Total marks</b>		<b>30</b>	

Name of the agency : \_\_\_\_\_

Name of work inspected : \_\_\_\_\_

## 2. ADHERENCE TO TIME SCHEDULE

(Common for Civil, PH, Electrical AC and Mechanical works)

**Total Marks: 30**

Sl. No	Description	Max. marks	Marks secured by the agency																	
2.1	Performance on works (time over-run) Assessment of marks as per calculation sheet given below.	<b>20</b>																		
	<i>TOR assessed for the work ( _____ ) As per calculation/ interpolation mentioned in the table</i>																			
Assessment of marks for 2.1: TOR (Time Over – run = AT/ST (Actual Time / Stipulated Time))																				
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Parameter</th> <th colspan="2">Score</th> </tr> <tr> <th>Without levy of compensation</th> <th>With levy of compensation</th> </tr> </thead> <tbody> <tr> <td>If TOR =</td> <td></td> <td></td> </tr> <tr> <td>1.00</td> <td style="text-align: center;">20</td> <td style="text-align: center;">---</td> </tr> <tr> <td>&gt; 1.00 to 1.50</td> <td style="text-align: center;">15*</td> <td style="text-align: center;">10*</td> </tr> <tr> <td>&gt; 1.50</td> <td style="text-align: center;">10*</td> <td style="text-align: center;">-5</td> </tr> </tbody> </table> <p style="text-align: center;"><i>* after due evaluation of reasons for delay by TEC.</i></p>			Parameter	Score		Without levy of compensation	With levy of compensation	If TOR =			1.00	20	---	> 1.00 to 1.50	15*	10*	> 1.50	10*	-5
Parameter	Score																			
	Without levy of compensation	With levy of compensation																		
If TOR =																				
1.00	20	---																		
> 1.00 to 1.50	15*	10*																		
> 1.50	10*	-5																		
<p>Note:</p> <ol style="list-style-type: none"> <li>1 The performance may be assessed from the total number of works completed by the bidder in the last 03 years and average of the marks to be considered.</li> <li>2 Marks for the values in between the stages indicated above are to be determined linearly.</li> </ol>																				
2.2	Assessment of adherence to time as inferred from client / work at site	<b>5</b>																		
2.3	Scientific / Effective methodology implemented for evaluation of the progress (like Primavera, MS Projects etc.) and immediate remedial measures if required.	<b>5</b>																		
<b>Total Marks</b>		<b>30</b>																		

Name of the agency : \_\_\_\_\_

Name of work inspected : \_\_\_\_\_

### 3. WORK CULTURE

(Common for Civil, PH, Electrical AC and Mechanical works)

**Total Marks: 20**

SI.No	Description	Max. marks	Marks secured by the agency
3.1	Amenable for corrective measures/ suggestions	2	
3.2	Good co-ordination with other agencies	2	
3.3	Preferring claims with supporting documents in time	2	
3.4	Contractors / Representative available at site of work.	2	
3.5	Taking timely action to comply with site instructions	2	
3.6	Proper site Management.	2	
3.7	General upkeep of site	2	
3.8	Proper stacking /Storage of materials	2	
3.9	Proper security arrangements for materials	2	
3.10	Basic amenities for labours at work site	2	
<b>Total marks</b>		<b>20</b>	
3.11	Litigate nature	-2	

Name of the agency:

Name of work inspected :

#### 4. SAFETY

(Common for Civil, PH, Electrical AC and Mechanical works)

**Total Marks: 20**

<b>Sl.No</b>	<b>Description</b>	<b>Max. marks</b>	<b>Marks secured by the agency</b>
4.1	Availability of established safety cell and safety policy?	<b>4</b>	
4.2	Safety officer is employed at site?	<b>4</b>	
4.3	Safety Slogan /Signage displayed?	<b>4</b>	
4.4	Safety drills are conducted periodically? And Regular instructions to bring safety awareness to the workers	<b>4</b>	
4.5	Whether safety practices are followed at site (personnel and site specific) ?	<b>4</b>	
<b>Total marks</b>		<b>20</b>	

**INFORMATION REGARDING ELIGIBILITY**  
**FORMAT 1 (To be filled-up by bidder/ applicant)**

**LIST OF ON-GOING WORKS**

Name of main bidder : \_\_\_\_\_

Sl. No.	Description		<i>Details of works</i>					
			<i>Work No.1</i>	<i>Work No.2</i>	<i>Work No.3</i>	<i>Work No.4</i>	<i>Work No. 5</i>	<i>Work No. 6</i>
1	Name of work	:						
2	Nature of work	:						
3	Value of composite work	:						
4	Break up details of cost components/ subheads of composite work							
	(a) Civil Work	:						
	(b) PH Work	:						
	(c) Electrical Work	:						
	(d) AC Work	:						
	(e) Any other component (pl. Specify)	:						
	Total	:						
5.	Date of Commencement of work							



6	Date of Completion as per W.O.	:						
7	Present status & percentage of work completed	:						
8	Expected date of completion	:						
9	Expected commitment during next 12 Months	:						
10	Details of client & Full Postal Address contact details	:						
	(a) Name of client							
	(b) Full Postal Address with PIN code							
	(c) Telephone no.							
	(d) FAX No.							
	(e) e-mail							
	(f) Name of contact person							

**Note: (1) The above details in format – 1 is to be furnished by the Applicant along with copy of work order issued by the client.  
(2) If the details / number of works to be furnished by applicant are more, applicant can submit the details in the specified formats separately enclosing with PQ bid. However, this fact should be mentioned in the above blank format.**

**(Signature of the bidder with stamp)**

**FORMAT 2A (To be filled-up by bidder/ applicant)**

**List of Similar composite works comprising Civil, PH, Electrical and AC works completed in the last 07 years (incl. the current year in which the PQ application is invited)**

Name of main bidder : \_\_\_\_\_

Sl. No.	Description	Details of works					
		Work No.1	Work No.2	Work No.3	Work No.4	Work No.5	Work No.6
1	Name of work	:					
2	Nature of work	:					
3	Work Order/ agreement Number	:					
4	Value of composite work	:					
5	Break up details of cost components/ subheads of composite work						
	(a) Civil Works	:					
	(b) PH Work	:					
	(c) Electrical Work	:					

	(d) <b>AC Work</b>	:						
	(e) <b>Any other component (pl. Specify)</b>	:						
	<b>Total</b>	:						
<b>6</b>	<b>Date of Commencement of work</b>							
<b>7</b>	<b>Date of Completion as per W.O.</b>	:						
<b>8</b>	<b>Actual date of completion</b>	:						
<b>9</b>	<b>Whether Extension of Time of Contract was availed?</b>	:						
	<b>If yes</b>							
	<b>(a) With levy of compensation</b>	:						
	<b>(b) Without levy of compensation</b>	:						
<b>10</b>	<b>Details of client &amp; Full Postal Address contact details</b>	:						
	<b>(a) Name of client</b>							

	(b)	Full Address with PIN code	Postal with						
	(c)	Telephone no.							
	(d)	FAX No.							
	(e)	e-mail							
	(f)	Name of contact person							

**Note:** (1) The above details in format – 2A is to be furnished by the Applicant along with copy of work order along with copy and completion certificate issued by the client.

(2) If the details / number of works to be furnished by applicant are more, applicant can submit the details in the specified format specified formats separately with PQ bid. However, this fact should be mentioned in the above blank format.

(3) Bidder should furnish all the similar works completed for the last 07 years in this format. The list of similar works mentioned under this format will only be considered for technical evaluation and list mentioned in any other format will not be considered.

**FORMAT -2B (To be filled-up by applicant)**

**List of Similar Electrical works executed by main bidder or by Electrical sub-contractor proposed to be engaged by main bidder completed in the last 07 years ( incl. the current year in which the PQ application is invited)**

Name of main bidder/ sub-contractor: \_\_\_\_\_

Sl. No.	Description	Details of works					
		Work No.1	Work No.2	Work No.3	Work No. 4	Work No. 5	Work No. 6
1	Name of work :						
2	Nature of work :						
3	Work Order/ agreement Number						
4	Whether work executed is part of composite work or separate work? :						
5	The value of composite work , if work executed is part of composite work :						
6	Value of Electrical work						

7	Date of Commencement of work						
8	Date of Completion as per W.O.	:					
9	Actual date of completion	:					
10	Whether Extension of Time of Contract was availed?	:					
	If yes						
	(a) With levy of compensation	:					
	(b) Without levy of compensation	:					
11	Details of client & Full Postal Address contact details	:					
	(a) Name of client						
	(b) Full Postal Address with PIN code						
	(c) Telephone no.						
	(d) FAX No.						
	(e) e-mail						
	(f) Name of contact person						

- 
- (1) The above details in format – 2B is to be furnished by the Applicant along with copy of work order along with copy of work order and completion certificate issued by the client.**
  - (2) If the details / number of works to be furnished by applicant are more, applicant can submit the details in the specified formats separately enclosing with PQ bid. However, this fact should be mentioned in the above blank format.**
  - (3) Bidder should furnish all the similar works completed for the the last 07 years in this format. The list of similar works mentioned under this format will only be considered for technical evaluation and list mentioned in any other format will not be considered.**

**(Signature of the bidder with stamp)**

**FORMAT -2C (To be filled-up by applicant)**

**ist of Similar AC works executed by main bidder or by AC sub-contractor proposed to be engaged by main bidder completed in the last 07 years ( incl. the current year in which the PQ application is invited)**

Sl. No.	Description		Details of works				
			Work No.1	Work No.2	Work No.3	Work No. 4	Work No. 5
1	Name of work	:					
2	Nature of work	:					
3	Work Order/ agreement Number						
4	Whether work executed is part of composite work or separate work?	:					
5	The value of composite work, if work executed is part of composite work	:					
6	Value of ACwork						
7	Date of Commencement of work						
8	Date of Completion as per W.O.	:					
9	Actual date of completion	:					
10	Whether Extension of Time of Contract was availed?	:					
	If yes						
	(a) With levy of compensation	:					



	(b) Without levy of compensation	:					
11	Details of client & Full Postal Address contact details	:					
	(a) Name of client						
	(b) Full Postal Address with PIN code						
	(c) Telephone no.						
	(d) FAX No.						
	(e) e-mail						
	(f) Name of contact person						

**Note :** (1) The above details in format – 2C is to be furnished by the Applicant along with copy of work order along with copy of work order and completion certificate issued by the client.

(2) If the details / number of works to be furnished by applicant are more, applicant can submit the details in the specified formats separately enclosing with PQ bid. However, this fact should be mentioned in the above blank format.

(3) Bidder should furnish all the similar works completed for the last 07 years in this format.

The list of similar works mentioned under this format will only be considered for technical evaluation and list mentioned in any other format will not be considered.

(Signature of the bidder with stamp)

(THIS DOES NOT FORM PART OF EVALUATION PROCESS BUT MEANT FOR READY REFERENCE ONLY)

**STRUCTURE & ORGANISATION DETAILS OF APPLICANT/MAIN BIDDER**

**Infrastructure for Setting up of New Launching Station for Small Satellite Launch Vehicles – Planning Design, Construction and Commissioning in EPC mode (Civil, PH, Electrical, Air-Conditioning, Mechanical and Allied Works)**

SI No.	Attributes	Details to be filled by contactor
1	Name of the Organisation:	
2	Address of the organisation: <u>(i) Regd Office</u>  Phone nos: Fax nos: E-Mail:  <u>(ii) Branch Office</u>  Phone nos: Fax nos: E-Mail:	
3	Company/ firm incorporation registration No & Date:	
4	Name & Particulars of the authorised representative for the details furnished hereinafter:	
5	(i) Type of the Organisation (please tick the correct one)	
	a) Public Limited Company	
	b) Private limited company	
	c) Partnership Company	
	d) Owned by Individual (Proprietary)	
	<b>Note:</b> Particulars of Proprietor / Partners / Directors: (Attested copy of Deeds or Memorandum of Association to be enclosed)  (ii) Year of establishment of company/ firm	

**Note:** The above details shall be furnished for the main bidders and sub-contractors proposed to be engaged by the main bidder for execution of this work.

Signature of the tenderer with stamp

(THIS DOES NOT FORM PART OF EVALUATION PROCESS BUT MEANT FOR READY REFERENCE ONLY)

**FINANCIAL INFORMATION OF APPLICANT/MAIN BIDDER**

**Infrastructure for Setting up of New Launching Station for Small Satellite Launch Vehicles – Planning Design, Construction and Commissioning in EPC mode (Civil, PH, Electrical, Air-Conditioning, Mechanical and Allied Works)**

SI No.	Attributes	Details to be filled by contactor
1	<b>Other details (For Main bidder and each one of sub-contractors)</b>	
	Registration No. of following :	
	1) GST No.	
	2) Central Service Tax Registration	
	3) P.F. Registration Certificates (EPFO)	
	4) Income Tax PAN	
	5) Employees Insurance Scheme (ESIC)	
	<b>(Note: Copies of above registration to be enclosed)</b>	
2	<b>Solvency Certificates issued by Bank (copy of certificates to be attached) (For Main bidder)</b>	
	<b><u>Certificate-1</u></b>	
	i) Name of bank	
	ii) Value	
	iii) Issue date	
	iv) Valid upto	
	<b><u>Certificate-2 (if any)</u></b>	
	i) Name of bank	
	ii) Value	
	iii) Issue date	
	iv) Valid upto	
3	<b>i) Average Annual turn over for the past 3 Years (For Main bidder)</b>	<b>Amount Rs. in lakhs</b>
	<b>Year</b>	
	2015 - 2016	
	2016 - 2017	
	2017 - 2018	
	<b>Average</b>	

SI No.	Attributes	Details to be filled by contactor	
	ii) Avg. profit after taxes (For Main bidder)	Amount Rs. in lakhs	As % of turnover
	Year		
	2013 - 2014		
	2014 - 2015		
	2015 - 2016		
	2016 - 2017		
	2017 - 2018		
	<b>Average</b>		
	<b>Note:</b> Copies of Balance Sheet/Profit & Loss Account for last five years duly certified by Chartered Accountant, as submitted by Applicant to Income Tax Department, TDS to be attached.		
4	<p><b>Bidding capacity (The bidding capacity shall be worked out and declared by the bidder and enclosed with the request for PQ document based on the formula: <math>(AxN \times 2) - B</math> (For Main bidder)</b></p> <p><b>A</b> - Maximum value of work executed in one year during last 5 years at current price level taking into account the work completed as well as work in progress.</p> <p><b>B</b> - Value of existing commitments and ongoing work to be completed during the next 'N' years at current price level.</p> <p><b>N</b> - Number of years prescribed for completion of the subject contract for which bids are invited</p>		
5	<p>Whether your company/firm have been issued ISO certification? If yes, copy of certificate to be enclosed. (For Main bidder and each one of sub-contractors)</p>	Yes / No	

Signature of the tenderer with stamp

## PROFORMA FOR SUBMISSION OF DETAILS OF LITIGATION HISTORY

- (i) Name of Applicant :-
- (ii) Type of business entity :- Individual / Partnership Firm / Proprietary Firm / Pvt. Ltd. Company / Public Ltd. Co. / Others (Please specify)
- (iii) Full address of registered office :-
- (iv) Whether the Company/Firm / Individual was known by any other name in past? Give full details :-
- (v) Give details of major changes in the partners / management of business entity during last 07 years.
- (vi) Civil works / buildings / construction works executed / completed during last 07 years
- |  | <b>Total no. of works executed or completed</b> | <b>* No. of works in which Litigation was required to settle the difference</b> |
|--|---|---|
| (a) Costing less than ₹ 10.00 Crores                         |   |   |
| (b) Costing above ₹ 10.00 Crores but less than ₹ 100 crores. |   |   |
| (c) Costing above ₹ 100 Crores but less than ₹ 1000 crores.  |   |   |
| (d) Above ₹ 1000 Crores.                                     |   |   |

\* Litigation shall mean a reference by any of the parties to contract to any internal dispute settlement mechanism of the client or to a person in authority or a third party reference or reference to an arbitrator or any other legal fora including any court of law etc.

**In respect of each litigation, please give following details:**

Sr. No.	Name of the work / project and name & address of employer / client	Nature of work	Work Order No. & Date	Present stage of work	Value of Contract (Rs.)	Brief details of litigation **
1.	2.	3.	4.	5.	6.	7.

**Declaration:**

The above information submitted is full & complete one in letter & spirit without suppressing or holding back any important aspects. Details furnished are true to the best of our knowledge and belief.

Signature of bidder

\_\_\_\_\_  
Name of the Authorised Signatory

Seal of the Company

**NOTE :**

1. Information of Contracts involving composite works comprising civil works together with or without IPH, sewerage and water supply (Sanitary & Plumbing Works), Electrical, AC services only may be listed.

2. Specific Information may be filled-up against each column of the Format. Please do not write remark “As indicated in Brochure” in any of columns above.
3. Applicant shall submit brief information against each column. other relevant additional/elaborate information should be given separately in a supplementary sheet.

In respect of each litigation please give following details :

\*\* Details of Litigation to be given:

- (a) Total number of claims / disputed items.
- (b) Total amount of claims as originally referred for settlement by each party.
- (c) Nature of claims / disputes:
  - (i) Pertaining to extra / substituted / deviated items of work
  - (ii) Pertaining to measurements or quantities of work executed.
  - (iii) Pertaining to extension of time / levy of compensation for delay in completion.
  - (iv) Pertaining to termination / rescinding of contract or contractor’s inability to complete the work.
  - (v) Pertaining to award of work / Issue of tender document / forfeiture of EMD / PG / SD or PQ related issues.
  - (vi) Any other matter (furnish details)
- (d) Number & amount of claims awarded to each party in first instance/ by trial court / arbitrator. Give Name & address of trial court / arbitrator
- (e) Number & amount of claims awarded in appeals / appellate authority in subsequent references. Give name & address of appellate court / authority.

**List of empanelled Consultants for the works costing more than 50 Crores**

Sl.No	Name & Address of the Contractor's	Sl.No	Name & Address of the Contractor's
1	M/s L.J. Purani and Associates, 303, Gala Business Centre, St. Xavious College Corner, Navrangpura, Ahmadabad Phn. 7926446318	8	M/s S.S Infrastructure Development Consultants Pvt Ltd Flat No. 15& 17, Jabbar Buildings, Begumpet Hyderabad – 500016 TS Phn: 040-66310224
2	M/s TATA Consulting Engineers Limited, 6 <sup>th</sup> Floor , SKCL Central Square-1 , No C-35, CIPET Roa, Thiru-Vi-Ka Industrial Estate, Guindy, Chennai-600032	9	M/s VMS Engineering and Design Services (P) Ltd, Chitrakoot Flats, Behind Times of India Off. Ashram Road, Navrangpura, Ahmedabad, Gujarat 380009 <a href="tel:07926588829">Phone: 079 2658 8829</a>
3	M/s Mecon Limited #89, South End Road, Basavanagudi, Bangalore-560004 Ph: 080 26252155 Fax: +918026576352 E-mail: <a href="mailto:ktqblr@meconlimited.co.in">ktqblr@meconlimited.co.in</a>	10	M/s Modarch India Architecture, B-99, 1 <sup>st</sup> Floor, Sector-63, Noida - 201301, India +911204206253, +911204206600 Inquiry: <a href="mailto:info@modarchindia.com">info@modarchindia.com</a> Careers: <a href="mailto:careers@modarchindia.com">careers@modarchindia.com</a>
4	M/s Urban Architecture Works B5/17, Safdurjung Enclave New Delhi-110029 Te: 911141327564, 41327563	11	M/s N.M Salim and Associates Kerala 12th Floor, Nikarthil Chambers, Mini Bypass Rd, Thiruthiyad, Kozhikode, Kerala 673004 Phn: 0495 408 8111
5	M/s Planning and Design Group PADGRO Construction (P) Limited Architects and Town Planners New 12, Lady Madhavan Road, Mahalingapuram, Chennai - 34 Phn: 28174026/ 28170804 Fax: 044-28172028 E-mail: <a href="mailto:studio@padgro.com">studio@padgro.com</a>	12	M/s C.R Narayana (Consultants) Pvt Ltd., No. 10, Karpagambal Nagar Mylapore, Chennai- 600004 Phn: +91-44-43441100 Fax: +91-44-24991318 E-mail: <a href="mailto:crn@crn.co.in">crn@crn.co.in</a>
6	M/s Naveen Consultants No. 1398, 2 <sup>nd</sup> floor, 2 <sup>nd</sup> cross Ashoka Nagar, Bangalore-560050 Tel: 080-26620836	13	M/s NU Associates , 1036, Shrinidhi Plaza, II floor, 14 <sup>th</sup> C main, Banashankari II stage, Bangalore-560070 Fax:+ 91-80-26715301/08
7	M/s Enarch Consultants (P) Ltd Consulting Engineers, Planners and Architects B-66, Sector-63, Noida-2301301 (U.P) Telefax: +91-120-4318964, 4202182	14	M/s C.P Kukreja Architects Architects/Consultants Ashirwad Building, D-1 Green Park New Delhi-110016 Phn: 011 26863953 Fax: 011 26865770 E-mail: <a href="mailto:cpka@cpkukreha.com">cpka@cpkukreha.com</a>



	E-mail: <a href="mailto:enarchindia@rediffmail.com">enarchindia@rediffmail.com</a>		
Sl.No	Name & Address of the Contractor's	Sl.No	Name & Address of the Contractor's
15	M/s Fourth Dimension Architects Private Limited Namdhan, Prabhat Road, Lane No.5, Deccan, Pune-411001, Phn: +91-20-41000999 Fax : +91-20-41000888 E-mail: info@fdgglobal.com	21	M/s STUP Consultants Pvt Ltd., Plot No. 22-A, Sector 19C, Palm Beach Marg, Vashi, Navi Mumbai, Maharashtra-400705 Te: 022-40887777 Fax: 022-2783 6240
16	M/s Design Associates Inc A-163, Sector-136, Noida (U.P) - 201301	22	M/s Suresh Goel and Associates C-85, Shivalik, Near Malviya Nagar, New Delhi-110017 Tel: +91-11-410344050
17	M/s Arinem Consultancy Services Pvt Ltd., First Floor , Akash-II, 31 Gokhle Marg, Lucknow-226001 Phn: 0522-4107252/ +91-9415305084	23	M/s A.K,A Consultants (India) Pvt Ltd., State Bank of India Officers Colony, Near Bima Nagar, Opp. Anand Bazar, Indore-452001 Phn: 0731-565304/ 2561684 E-mail: <a href="mailto:akakem@gmail.com">akakem@gmail.com</a>
18	M/s Wadia Techno Engineering Services Limited No.81, 4 <sup>th</sup> Floor, Valluvarkottam High Road , Nungambakkam, Chennai-600034 Phn: 044-28250147/148/139 E-mail: <a href="mailto:lalitha.rajasekar@wadiaengg.com">lalitha.rajasekar@wadiaengg.com</a>	24	M/s Mukesh and Associates Division-2, 2/6 Ranganathar Avenue, Perumal Malai Main Road Narasothipatty, Salem-636004, Tamilnadu Phn; +91 427 2333563/2330568 Fax: +91 427 2333564 <a href="http://www.mukeshassociates.com">www.mukeshassociates.com</a>
19	M/s TATA Consulting Engineers Limited 4 <sup>th</sup> Floor Tower A 247 Park LBS Marg Vikhroli (West) Mumbai-400083 Phn: +91 22 61148181 Fax: +910220611148282	25	M/s INI Design studio Pvt Ltd, Lucknow, Prahlad Nagar, Ahmedabad, Gujarat <a href="tel:07966128870">Phone</a> : 079 6612 8870
20	M/s Glan P.Mathur and Associates, Pvt Ltd, C-55, East Of Kailash, New Delhi, Delhi 110065 <a href="tel:01146599599">Phone</a> : 011 4659 9599	26	M/s Arch-En Design , B-1/37, Hauz Khas, New Delhi-110016 T- (+91) 11 45188222