



**TAMILNADU INDUSTRIAL DEVELOPMENT CORPORATION LTD
(TIDCO)**

SELECTION OF PROJECT MANAGEMENT CONSULTANT

INTERNATIONAL COMPETITIVE BIDDING FOR SELECTION OF PROJECT MANAGEMENT CONSULTANT (PMC) FOR ARCHITECTURAL & DETAILED ENGINEERING CONSULTANCY SERVICES FOR ADVANCED COMPUTING AND DESIGN ENGINEERING CENTRE (ACDEC) FOR AEROSPACE & DEFENCE PARK AT SRIPERUMBUDUR.

REQUEST FOR PROPOSAL

TECHNICAL TENDER VOLUME – I

**Chairman and Managing Director
Tamil Nadu Industrial Development Corporation Limited
19-A, Rukmini Lakshmi pathy Salai
Egmore, Chennai – 600 008
Phone: 044-2855 4029; Fax: 044-2855 3729
E-mail: cmd@tidco.com; Website: www.tidco.com**

June 2018

Disclaimer

The information contained in this Request for Proposal (“RFP”) document or subsequently provided to Bidders, whether verbally or in documentary form by or on behalf of the Tamilnadu Industrial Development Corporation Ltd (TIDCO) or any of their employees or advisors (collectively referred to as “TIDCO Representatives”), is provided to the Bidders on the terms and conditions set out in this RFP document and any other terms and conditions subject to which such information is provided. This RFP document is not an agreement and is not an offer or invitation by TIDCO Representatives to any other party. The purpose of this RFP document is to provide interested parties with information to assist the formulation of their Proposal.

This RFP document does not purport to contain all the information each Bidder may require. Certain Bidders may have a better knowledge of the proposed assignment and project than others. Each Bidder should conduct its own due diligence, investigations and analysis and should check the accuracy, reliability and completeness of the information in this RFP document and obtain independent advice from appropriate sources. TIDCO Representatives make no representation or warranty and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of the RFP document and concerned with any matter deemed to form part of the RFP Document, the award of the assignment, the information and any other information supplied by or on behalf of TIDCO or otherwise arising in any way from the selection process.

The prospective Bidder will be responsible for all obligations to its staff, their payments, complying with the labour laws, minimum wages Act and any other Act relevant for the working of the Bidder’s staff. Under no circumstances, TIDCO will be responsible for any non-compliance with statutory requirements of the bidder’s staff.

TIDCO may in their absolute discretion, but without being under any obligation to do so, update, amend or supplement the information in this RFP document from time-to-time, after intimating the same to the Bidders. TIDCO reserve the right to accept or reject any or all proposals without giving any reasons. The bidding process shall be governed by the laws of India and courts at the State of Tamil Nadu will have jurisdiction over the matter concerning and arising out of RFP document.

INTERNATIONAL COMPETITIVE BIDDING
Selection of Project Management Consultant
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INVITATION OF TENDER

Section – I

TAMIL NADU INDUSTRIAL DEVELOPMENT CORPORATION LTD (TIDCO)

NOTICE NO. TIDCO/PMC/ACDEC/2018-19

TIDCO invites Request For Proposal (RFP) for Appointment of Project Management Consultant to provide Design, Detailed Engineering, Contracting, Construction, Project Management and post Commissioning services to the proposed **ADVANCED COMPUTING AND DESIGN ENGINEERING CENTRE (ACDEC) FOR AEROSPACE & DEFENCE INDUSTRIES** at Sriperumbudur.

The RFP Document can be purchased from TIDCO between 04.06.2018 and 03.07.2018 by paying Rs.15,000/- by Cash / DD including GST drawn in favour of TIDCO. The RFP can also be downloaded from the website www.tidco.com. The Fee for the downloaded RFP shall be paid at the time of Submission of Proposal. The last date for submission of proposal is before 3.00 P.M. on 04.07.2018 to the address given below: The pre-qualification criteria and other conditions are furnished in the RFP.

Chairman and Managing Director
Tamilnadu Industrial Development Corporation Limited
19-A, Rukmini Lakshmi pathy Salai
Egmore, Chennai – 600 008
Ph: 044 – 2855 4029
Fax: 044 – 2855 3729
E-mail: cmd@tidco.com; Website: www.tidco.com

INTERNATIONAL COMPETITIVE BIDDING FOR THE SELECTION OF PROJECT MANAGEMENT CONSULTANT (PMC) FOR ARCHITECTURAL & DETAILED ENGINEERING CONSULTANCY SERVICES FOR THE ESTABLISHMENT OF ADVANCED COMPUTING AND DESIGN ENGINEERING CENTRE (ACDEC) FOR AEROSPACE & DEFENCE PARK AT SRIPERUMBUDUR

Name of Work	Project Management Consultant for Providing Design, Detailed Engineering, Contracting, Construction, Project Management & Post Commissioning of Advanced Computing And Design Engineering Centre (ACDEC) for Aerospace & Defence Park at Sriperumbudur.
Issue of Tender Documents	(i) Documents can be purchased from TIDCO by payment of Rs.15,000/- including GST by Cash / Demand Draft payable at Chennai in favour of TIDCO in any scheduled Bank payable in Chennai / in person / or post during office hours between 04.06.2018 and 03.07.2018. (ii) Alternatively, the tender document can be downloaded from www.tidco.com and in such cases, the bidder will be required to pay the non-refundable processing fee along with Tender Documents at the time of submission of proposals.
Earnest Money Deposit (EMD)	Rs.5.00 Lakhs (Rupees Five Lakhs Only) to be paid by Demand Draft payable at Chennai in favour of TIDCO, Chennai.
Time and date of Pre Bid Meeting	14.06.2018 @ 15.00 Hrs at TIDCO, Egmore, Chennai.
Last Date for receipt of Tender by TIDCO	04.07.2018 @ 15.00 Hrs at the office of the TIDCO, Egmore, Chennai – 600 008
Opening of Technical bids (Tender)	04.07.2018 @ 16.00 Hrs in the Office of TIDCO, Egmore, Chennai – 600 008
Officer Inviting Tender	CMD, TIDCO, 19-A, Rukmini Lakshmi pathy Salai, Egmore, Chennai – 600 008
Place of submission of Tender	At Office of TIDCO, 19-A, Rukmini Lakshmi pathy Salai, Egmore, Chennai – 600 008
Demand Draft	D.D. should be drawn in favour of TIDCO, Chennai from any one of the Nationalized / Scheduled Bank, payable at Chennai, India.

Section – II

Information about the proposed Project

2.1 Information about TIDCO:

Tamilnadu Industrial Development Corporation Limited (TIDCO), a premier industrial development agency of the Government of Tamil Nadu, established in 1965, spearheads the industrial growth in the state by promoting medium and large industrial and infrastructure projects involving large investments and huge employment potential in association with Private Promoters.

TIDCO has promoted several joint ventures for manufacturing products such as iron & steel wrist watches, auto parts/components, textiles, fertilisers, Petroleum and Petrochemicals, Pharmaceuticals, floriculture, processed food products and leather products. It has also ventured into setting up of IT/ITES Parks, Industrial Parks, Bio Parks, and Special Economic Zones.

Some of the important Joint ventures of TIDCO are TITAN Industries, Mahindra World City, Tamil Nadu Petroproducts, TIDEL Park, Ascendas IT Park, TICEL Bio-Park, Tamil Nadu Road Development Company, IT Expressway, Chennai Trade Centre and L & T Shipbuilding Limited, etc.

2.2 Information about ELCOT:

The **Electronics Corporation of Tamil Nadu Limited** (ELCOT) promotes, establishes and runs State Public Sector Enterprises for Electronic items; manages, supervises, finances, advises, assists, aids or collaborates with any private and public associations, firms, companies, enterprises, undertakings, institutions, and schemes for the advancement and development of Electronics and Information Technology. It is considered the back office for the Information Technology Department of the Government of Tamil Nadu, and functions to implement the Government's E-Governance initiatives.

2.3 Information about TIDEL:

TIDEL Park Ltd., a JV of TIDCO and ELCOT has constructed a state-of-the-art Information Technology Park in the State with built up area of 1.28 million sq. ft. in Chennai at a cost of Rs.292 Crore which is in operation since July 2000.

TIDEL provides employment opportunities for 15000 IT professionals. The building consists of various Electrical, Mechanical, and communication facilities. The Park has obtained ISO 9001 & ISO 14001 certification. TIDEL is a profit making venture since its inception. TIDEL has also promoted many associate projects which include TIDEL Park Coimbatore Ltd., TICEL Bio Park – I & II, IT Expressway Ltd., Tamil Nadu Road Development Co. Ltd etc.

2.4 Project Implementation Entity: (SPV Company)

The Government vide its GO No. 244 dated 08.10.2015 has directed TIDCO to undertake implementation of Advanced Computing and Design Engineering Centre through a Special Purpose Vehicle (SPV) Company. Subsequently, TIDCO has completed a Detailed Project Report (DPR) through a Consultant viz. M/s. IL&FS Cluster Development Initiative Ltd. The SPV Company is under formation by TIDCO, TIDEL & ELCOT to implement this Project.

2.5 Aerospace Industry supply chain

Globally, the aerospace industry is functioning in a structured, systematic and organised manner and is interlinked through proper supply and value chain proposition. The aerospace value chain is characterised by a long project life cycle spanning R&D, engineering design, manufacturing, assembly and aftermarket (spare parts and services). The manufacturing and assembly function is a critical component of the value chain and has high entry barriers in terms of both cost and technology. In the past, OEMs followed a vertically integrated manufacturing approach with participation at each level of the design, development and manufacturing process.

As on date more than 80% of the aerospace systems/sub-assemblies and components are procured through outsourcing from different parts of the world. Very few leading large aerospace system integrators (such as Boeing, Airbus, Embraer, Bombardier, Lockheed Martin etc.) constitute around 15% of the entire industry.

This industry structure has emerged into a tier-based system of suppliers participating at each stage, as indicated below:

- Tier – 1 vendors maintain responsibility for providing equipment and systems to the primes. This includes design, assembly, services and the assumption of technical and financial risk.
- Tier – 2 vendors manufacture and develop the required parts according to the specifications provided by OEMs and Tier-1 vendors. Tier-2 vendors' product portfolios may also include the provision of aftermarket components and services.
- Tier – 3 vendors are responsible for the supply of basic products and components to vendors that are higher up the hierarchical order.

The aftermarket industry involves the maintenance and upgrading required for an airplane, after it leaves the factory. Manufacturers of aftermarket components are either OEMs or Third-party vendors supplying reverse engineered PMA (Parts Manufacturer Approval) parts.

2.6 Global Aerospace Industry growth

The global Aerospace & Defence market has crossed USD one trillion in 2014 and has grown at a CAGR of about 4% over the last five years. These figures include sales of all items including aircraft and parts, missiles, airport equipment, MROs and all other services related to civil aviation including training, engineering and software development etc. Growth is primarily attributed to strong performance of commercial aerospace driven by a surge in passenger travel

demand, increasing per capita income and positive global GDP outlook. USA and European countries are the dominant players in the Aerospace sector however over the years share of other countries has increased from 8% to almost 18% now in the world total production.

Stable growth in global GDP, lower commodity prices especially crude oil and strong passenger travel demand imply continued growth in the commercial aerospace sub-sector. Moreover, the resurgence of global security threats and growth in defence budgets in many countries are all likely to promote global defence sub-sector revenue growth over the next few years.

2.7 Indian Aerospace Industry Growth

The Indian aerospace industry is one of the fastest-growing aerospace markets in the world with an expanding consumer base comprising airlines, businesses and High Net worth Individuals (HNIs). The Indian aerospace industry has registered a CAGR of about 10%, higher than the global average of about 4%. Indian market represents about 9% of Asia-Pacific market. The rapid growth of this industry has attracted major global aerospace companies to India. All segments in the aerospace industry, including civil and military aviation and space, are showing a significant level of growth.

2.8 Aerospace Industry- Tamil Nadu Scenario

The State has major strengths in Auto, IT, Electronics and Hi-tech areas and presence of reputed educational institutes like IIT, Anna University and various engineering colleges which all are necessary precursors for development of successful aerospace industry.

Chennai has emerged as the largest electronic hardware manufacturing and exporting hub in India. Electronic hardware industry has important linkage to Aerospace sector especially avionic products and equipment which constitute almost 15% of the Aircraft cost. Further Tamil Nadu is an important IT hub. Information Technology (IT) plays an eminent part in Aerospace Industry. The state accounts for almost 22% share of the high level software/IT exports from the country. The state has significant share of the Auto industry sector in the country accounting for around 30% share of the Automobile and Auto component industry of the country.

The State has attracted huge investments over the last two years and the majority of these investments are from electronics and automotive market, hence it can be easily upgraded to aerospace component manufacturing market. The strong manufacturing capabilities in automobile and electronics sector, high skilled human resource pool are the major driving factors for the State to emerge as the aerospace manufacturing hub.

There are 60+ aerospace component suppliers already operating in Tamilnadu. Some of them are graduating to major Tier II/III suppliers to Global aerospace OEMs and organisations. Apart from manufacturing, Tamil Nadu has around 60 educational institutes including IIT and MIT offering Aeronautical engineering courses, pilot training institutes and colleges providing AME courses.

2.9 Initiatives of the State Government and TIDCO:

The Government of Tamilnadu is focusing on implementing Aerospace & Defence Park development programs, i.e. supporting the existing aerospace units technically and attracting more aerospace companies towards creating an integrated ecosystem for Aerospace Industry development covering design, engineering, manufacturing, servicing and maintenance of aircraft for civil and defence sector in Tamilnadu. A separate policy for the development of aerospace industry in the State is on anvil with vision to achieve more than 30 % share of the Indian Aerospace industry output. As a part of the well thought out plan to make the state move up the value chain, in the area of Aerospace and Defence manufacturing by creating strong ecosystem, TIDCO has embarked on developing the following aerospace projects for specific purposes in multiple locations in Tamilnadu which will be integrated in logical way in course of time:

- ✓ Aerospace components Manufacturing Park is being developed in Sriperumbudur (Chennai) in an area of around 260 acres. So far, 12 aerospace companies have been allocated land in this Park. It is expected that at least 40 aerospace components manufacturing companies will have manufacturing facilities in this park by end 2018.
- ✓ Developing an MRO complex in around 50 acres adjoining the existing Chennai Airport for Maintaining, Repairing and Overhauling of Aircrafts.
- ✓ Supporting the aerospace industries for venturing into smaller aircrafts manufacturing
- ✓ Creating an integrated Aerospace & Defence Park to suitable location.

2.10 Defence Industrial Corridor:

Government of India in the Budget 2018-19 has announced that a Defence Industrial Corridor will be developed in Tamil Nadu. Department of Defence Production, Ministry of Defence (MoD) has already conducted interactive meetings with the industrial units in Hosur, Salem, Coimbatore, Trichy and Chennai. State Government Officials participated in all the meetings and provided all support to MoD to formulate the implementation plan. In Tamil Nadu, numerous Industrial Units in the form of cluster are operating in Chennai, Trichy, Coimbatore, Salem and Hosur catering to Defence PSUs and Services. State Government will provide all support and facilitation to the MoD for establishing the Defence Corridor to attract more investments and generate employment in the State. The corridor aims to bolster interaction between all industry players in order to create long-term synergy and eventually develop the area into a defence production powerhouse.

2.11 Aerospace and Defence Industrial Policy:

The Government has formulated an exclusive Aerospace and Defence Industrial Policy which envisages several incentives, subsidies and other benefits for the Aerospace and Defence Industries. This Policy will be released by Tamil Nadu Government shortly.

2.12 The Project Proposal

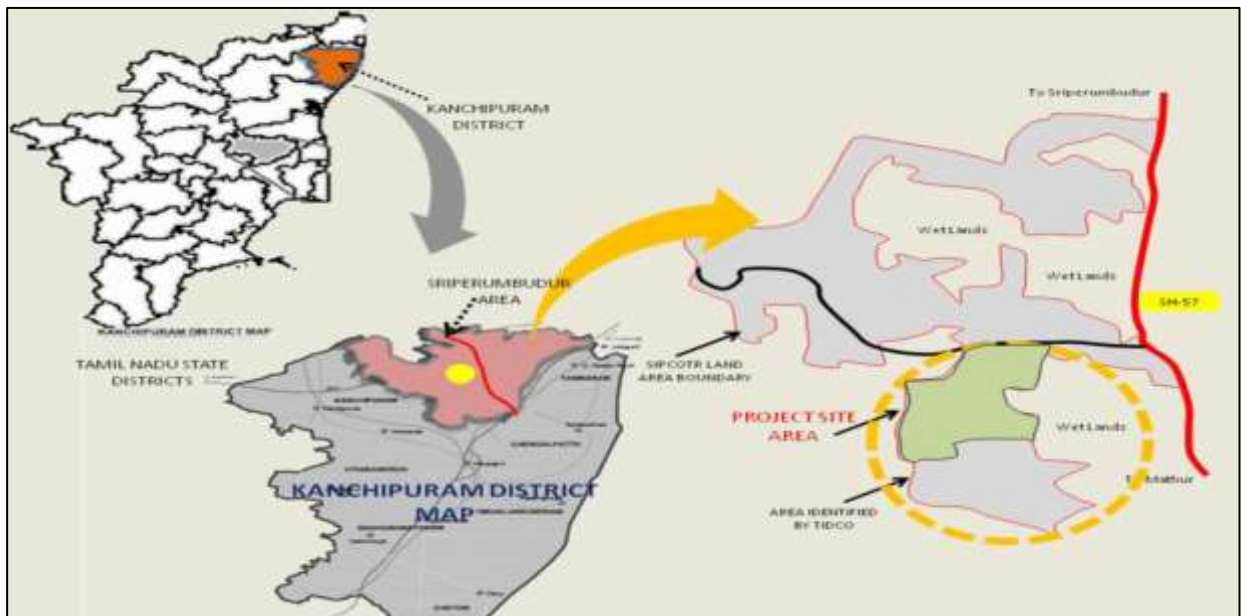
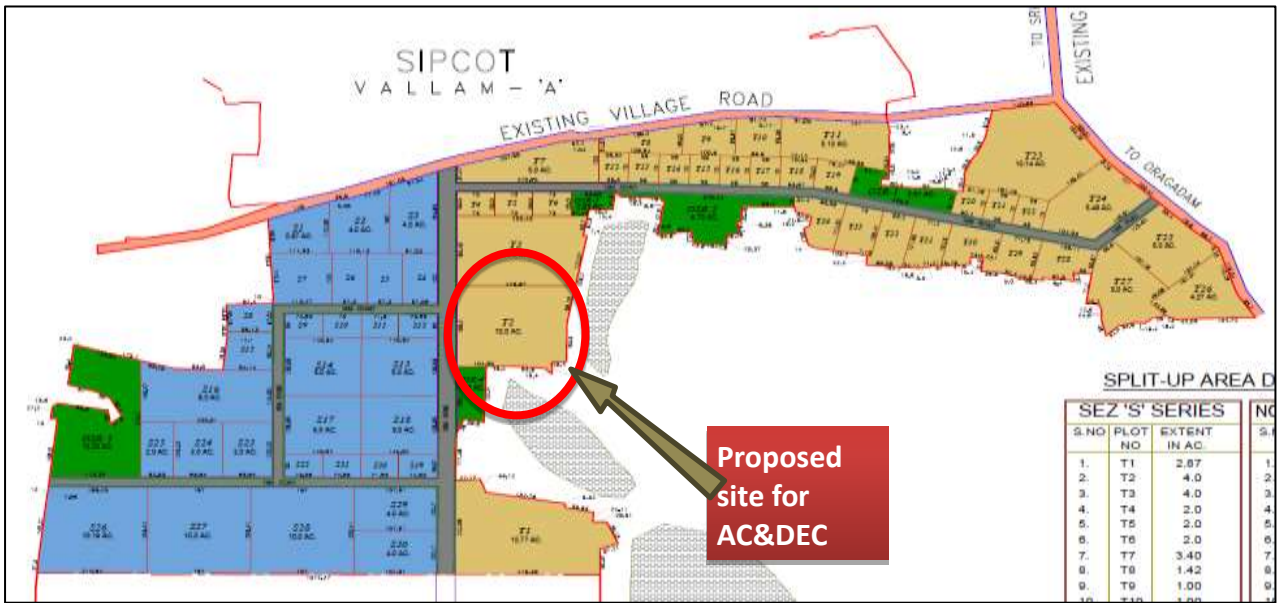
The proposal is to create a built in space and facilities for LEED Platinum rated Advanced Computing and Design Engineering Centre (AC&DEC), Avionics Complex, Centre of Excellence (R&D facility), Warehousing, Skill Development Centre, etc., for Aerospace industries with a built up area of around 1 million sq. ft. in around 12 acres of land in the Sriperumbudur Aerospace & Defence Park. The Phase-I is to have a built up area of around 5 lakh Sq. ft at an Estimated Cost of Rs.180 Crore for which the PMC is being selected. The centre will cater to companies who work on design of all types of aircrafts and engines, designing components and sub-systems using new materials, and technologies used for launch vehicles and space explorations. Creating these systems with the objective of ensuring end-to-end infrastructure & support system for MSME & Large Scale industrial units will result in cost effective operations.

The tentative plan of the built in space for various facilities is as below

Project Components	Built in space for the Facilities
Advanced Computing And Design Engineering Centre (ACDEC)	Super Computers High Secure Data Centre Computer Hardware & Machines Specific Software for Aerospace Components/System Designs Simulation System Virtual Reality Design Centre. 3D Priority facility Proto typing facility
Avionics Manufacturing	Avionics Manufacturing Units
Centre of Excellence	Aerospace & Defence Centre of Excellence Aerospace & Defence Research Lab
Ware Housing	Common warehousing facilities
Skill Development	Space for Aerospace & Defence skill training institutions
Parking facilities	

2.13 Project Site Location

This project will be created in around 12 acres of land within the Aerospace & Defence Park being developed in Sriperumbudur in around 260 acres of land. The project location is in the Vallam village in the Sriperumbudur Taluk, Kancheepuram District, Tamilnadu. The geographical location is between Latitude 120 55' 2" N to 120 52' 23" N and Longitude 790 55' 3" E to 790 53' 54" E. The location is largely a plain terrain in its topographical characteristics.



2.14 Locational Advantage

The proposed site is located adjacent to the 6 lane highway between Nokia and Oragadam junction and well connected to Chennai and other major cities through road network.

The site has good connectivity in terms of road, air & sea as given below:

1. 5 Km from Sripurumbudur – Singaperumalkoil State Highway (SH57)
2. 5 Km from Vandalur Wallajabad Highway
3. 7 Km away from the proposed Green Field Airport
4. 8 Km from Chennai – Bangalore National Highway (NH4)
5. 37 Kms from Chennai Airport
6. 45 Km from Chennai Central Railway Station
7. 47 Km from Chennai Port

Section – III

3.0 Technical Qualification:

Eligibility Criteria for Evaluation:

- a) Bidder should have been in the business for a period of 10 years and should have provided Comprehensive Consultancy / Engineering Services (single point responsibility) involving conceptual, basic design, structural designs, development of detailed drawings, project monitoring for construction of Non-residential multi storeyed buildings such as IT park/Office/Commercial/Technology Park with associated infrastructure & facilities including Electrical, ACMV, DG, Fire Fighting, BMS, Lifts etc. for single project with a project cost not less than Rs.150 crore and for a separate single project with minimum G + 10 Floors having not less than 5 Lakhs sq. ft. area during last five years (Format- C).
- b) Consultant should have a fully functional office in Chennai, operational for the duration of atleast one major project previously, during last five years.
- c) Should have an average annual turnover of atleast Rs.3 Crore in the last five financial years in consultancy work alone with a minimum of Rs. 2 crore in each of the financial year (Format – D).
- d) Should have established In-house Resources with a minimum of 50 technical personnel (atleast 10 persons should be graduate in Engineering/Architecture/Planning) with MEP experience in Design, Engineering and Managed Construction Services from concept to project commissioning (Format – E).
- e) Firm should not have been blacklisted, debarred or restrained in the last 5 years to participate by any Govt. Department tender for such project. Undertaking to this effect needs to be submitted as per format enclosed. (Format F).
- f) Consortium of consultants / bidders is not allowed.

Note: Proof for all the above qualification criteria to be provided. Claim without proof shall not be considered for evaluation.

Section – IV

4.0 Selection Process – Evaluation Criteria and Methodology

- (i) The Selection Process is intended to select a cost effective consultant to carry out the scope of work defined in this document.
- (ii) The consultants are required to submit both technical and financial proposals. The financial proposals of those bidders who have been qualified in the technical evaluation as per the technical qualification criteria set out in Section – III would alone be considered for financial evaluation.
- (iii) The Bidder who has quoted the lowest lump sum amount will be considered as L1 and preferred Bidder. The L1 Bidder will be invited for Negotiation.

Section – V

5.0 INFORMATION AND INSTRUCTION TO BIDDERS

5.1 GENERAL:

- i) The Architect firms/ Consultants who fulfill the qualifying criteria as mentioned in section-III are eligible to participate in the Bid. Letter of Submission and forms for deciding eligibility are given in Section.
- ii) The Architect firms/ Consultants must submit Technical bid along with Financial Bid. The tender will be the basis for technical discussions/negotiations if required and ultimately for signing contract with the selected Architect firm/Consultant.
- iii) Owner: The TIDCO, Egmore, Chennai or its designated agencies will be the owner for implementing the proposed Establishment of Advanced Computing and Design Engineering Centre for Aerospace at Sriperumbudur.
- iv) Letter of Transmittal and information required for qualification shall be submitted as per formats attached.
- v) Tender Documents are not transferable and will be accepted only from the parties to whom the document is issued.
- vi) All information shall be furnished in English and typewritten.
- vii) Overwriting shall be avoided, mistakes shall be scored through and corrections incorporated and attested by the authorised signatory. All pages of the tender documents shall be numbered and submitted as a package along with a signed letter of transmittal.
- viii) References information and Certificates from the respective clients certifying suitability, technical know-how or capability of the applicant firm shall be signed by the authorised signatory.
- ix) The applicant firm is advised to furnish any additional information, which they think is necessary in regard to its capabilities. No further information will be entertained after submission of tender document unless it is called for by TIDCO.
- x) The tender in respect of Selection of Project Management Consultant as detailed in the Notice inviting tender shall be submitted in two sets of tender documents in the prescribed forms duly completed and signed in duplicate with one copy marked “ORIGINAL” and another marked as “COPY”. The Original will govern if there are discrepancies among the two copies.
- xi) The following procedure will be adopted for submission of tender:
 - (i) Cover-A will contain Technical tender and will be super scribed as “**Selection Of Project Management Consultant for Advanced Computing and Design Engineering Centre (ACDEC) for Aerospace & Defence Park at Sriperumbudur**” – Technical Tender.
 - (ii) The cost incurred by applicant firms in preparing their application, in providing clarifications or attending discussions, conferences in connection with this document will not be reimbursed under any circumstances.

5.2 Definition:

Applicant Firm/Bidder/Tenderer, means proprietary firm, firm in partnership, limited Company or Public Sector Corporation applying to become eligible to tender.

5.3 Legal Status of the Bidder:

- a) If the application is made by a proprietary firm, it shall be signed by the proprietor above his full typewritten name and name of his firm with its current address.
- b) If the application is made by a firm in partnership, it shall be signed by all the partners of the firms above their full typewritten names and current addresses, or alternatively by a partner holding power of attorney for the firm in which case a certified copy of the power of attorney shall accompany the application. A certified copy of the partnership deed, full names and current addresses of all the partners of the firm shall also accompany the application.
- c) If the application is made by a limited company or a corporation, it shall be signed by a duly authorised person holding power of attorney for signing the application in which case a certified copy of the power of attorney shall accompany the application. Such limited company or corporation may be required to furnish satisfactory evidence of its existence for at least ten years before the qualification application is filed.

5.4 Final Decision Making Authority:

TIDCO reserves the right to accept or reject any of the applications/tender(s) without assigning any reasons thereof. TIDCO also reserves the right to increase or decrease the scope of work as deemed necessary by it and its decision is final and binding.

5.5 Provisional Particulars:

The particulars of the proposed work given herein must be considered only as advance information and a general guide to assist applicants.

5.6 Site Visit:

The site for the **Advanced Computing and Design Engineering Centre (ACDEC) for Aerospace & Defence Park at Sriperumbudur** may be inspected by the Bidder or his representative at his own cost.

5.7 Submission of Tender Documents:

To be eligible for qualification, applicants shall provide evidence of suitability and their meeting the criteria indicated in Section-III above and furnish details to establish their capacity and possession of adequate resources to carry out the contract effectively and for this, the applications submitted shall include the following:

- a) Letter of transmittal, as in Appendix-A.
- b) Copies of original documents defining the legal status of the firm, its organisation, place of registration and principal place of business of the applicant in Format-A; if there are any for foreign tie-ups, details on nature of tie-up, i.e Technical, Financial etc shall be furnished.

- c) The qualification and experience of key personnel proposed for administration and execution of the contract, both on and off site in the format prescribed in Format-B and C.
- d) Details of facilities available for performing the Project Management Consultancy scope of work etc.
- e) Details of experience and past performance of the firm on works of a similar nature completed and the details of current works on hand duly certified by the client and other contractual commitments, as on 31.03.2018.
- f) Information regarding any current litigation in which the applicant is involved; and
- g) A detailed description of methodology & approach specially devised by the firm to speed up the work in all the stages of project.
- h) Lay out planned for optimum utilisation of FSI with all essential facilities for **Advanced Computing and Design Engineering Centre (ACDEC) for Aerospace & Defence Park at Sriperumbudur** as per the Rules/Regulation of Town & Country Planning, Govt. of Tamil Nadu /local Planning Authority as Applicable.
- i) Integrated approach to Design, Construction and Commissioning of project within the scheduled time and the Design & Execution of major contracts for Civil, Electrical, DG, ACMV, Lifts etc. keeping in mind techno-economic feasibility.
- j) Evidence of having adequate experience and in house resources for carrying out this work including supporting certificate or reports relating to financial, technical and other capability of the applicants.

5.8 Particular Attention:

Applicants shall be disqualified at any stage at their risk and cost if they are found to have

- (i) made untrue or false representation in the forms, statements and attachments submitted in proof of the qualification and requirements.
- (ii) Record of poor performance such as abandoning the work, not properly completing the contract, inordinate delays in completion or financial failures etc.

5.9 Site Visit, Pre-Bid Meeting & Queries:

The applicants are requested to submit any questions or clarifications in writing, to reach the TIDCO, Egmore, Chennai – 600 008 not later than 14.06.2018. A pre bid meeting will be held on 14.06.2018 @ 3.00 pm at TIDCO Campus, Chennai. The Minutes of the Pre-bid meeting will be circulated to all those tenderers who have purchased the tenders. These minutes will also form part of the tender document.

5.10 Submission & Opening of Tender Documents:

Completed documents shall be submitted to TIDCO, Egmore, Chennai – 600 008 in a sealed cover super scribed “**Selection of Project Management Consultant For Advanced Computing and Design Engineering Centre (ACDEC) for Aerospace & Defence Park At Sriperumbudur**” on or before 15.00 Hrs on 04.07.2018. The technical tender cover-A will be opened at 16.00 hrs on the same day at the above office, in the presence of tenderers who choose to be present.

5.11 Last Date for Submission of the Tender:

Tenders will be received by the Owner at TIDCO, Egmore, Chennai – 600 008 not later than 15.00 hrs on 04.07.2018. In the event of the specified date for the submission of tender declared a holiday for the owner, the tenders will be received up to the appointed time on the next working day.

TIDCO may extend the deadline for submission of tenders by issuing an amendment, in which case all right and obligations of the Owner and the tenderers previously subject to the original deadline will then be subject to the new deadline.

5.12 Late Tenders:

Any tenders received by the owner after the deadline prescribed will be kept unopened and returned to the tenderer.

5.13 Opening of Financial Tenders:

The TIDCO will finalise the list of eligible tenderers and inform them of their qualification by registered letter/fax, E-mail. The Financial tender cover-B of the pre-qualified tenderers will be opened in the presence of those pre-qualified tenderers who choose to be present on the specified date.

5.14 Price and Currencies:

Tenderer shall quote in Indian Rupees only. All payments under the contract shall be made in Indian Rupees only.

Section – VI

CONDITIONS OF CONTRACT

6.1 Validity of Tender:

The tender will be valid for a period of 180 days from the last date of submission of tender.

6.2 Earnest Money Deposit:

Earnest Money Deposit of Rs.5,00,000/- (Rupees Five Lakhs Only) in the form of Demand Draft drawn in favour of Tamilnadu Industrial Development Corporation Ltd (TIDCO), Chennai obtained from any Nationalised Bank shall be enclosed. The Earnest Money Deposit of the unsuccessful tenderers will be refunded after finalisation of selection of the Project Management Consultant for the project. The Earnest Money Deposit of the successful tenderer will be refunded after the tenderer produces Performance Guarantee.

6.3 Modification and Withdrawal of Tenders:

Tenderers may modify or withdraw their tenders by giving notice in writing before the deadline prescribed for submission of tenders. No tender shall be allowed to be modified or withdrawn after the deadline for submission of tenders. The modification or withdrawal notice shall be prepared, sealed, marked and delivered with the outer and inner envelopes additionally marked “MODIFICATION” or “WITHDRAWAL” as applicable. Withdrawal of a tender before tender validity will result in the forfeiture of the Earnest Money Deposit. Tenderers may offer discounts, or modify the prices of their tenders only by submitting tender modifications in accordance with this clause, or included in the original tender submission before the dead line prescribed for submission of tender.

6.4 Letter of Award (LOA):

Letter of Award of selection of Project Management Consultant will be issued to the tenderer whose tender has been accepted by the competent authority. Once the Letter of Acceptance of the tender is sent, then it is considered as conclusion of contract. The selected tenderer should arrange to submit Performance Guarantee as specified and sign the Agreement within 10 days from the date of LOA. In case, the Project Management Consultant fails to fulfill the above condition within the stipulated time, the EMD shall be forfeited automatically.

6.5 Performance Guarantee:

The successful tenderer within 10 days of issue of Letter of Award of the tender by the competent authority shall produce Performance Guarantee in form of Bank Guarantee (denominated in Indian Rupees) obtained from any Nationalised Bank for a value of 10% of the contract value and enter into agreement. The Performance Guarantee shall be provided to the Owner not later than the date specified in the Letter of Award. The Performance Security shall be valid until the final bills for all works are paid by the Owner and to be extended as and when required by the owner if the validity lapses.

6.6 Time Schedule:

As indicated in Project completion schedule and milestone for each activity as detailed in this document.

6.7 Liquidated Damages:

The consultant is expected to keep up the prescribed time schedule. An amount as specified in the contract data will be levied for delay on part of the consultant as liquidated damages.

6.8 Payment:

Terms of payment will be as per the schedule indicated in Terms of Reference. The fee payable to the Project Management Consultant (PMC) will be considered on the percentage of the rate quoted by PMC under their scope excluding land and unrelated cost for the built up area of approximately 5 lakhs sq. ft. with a cap of Rs.3,000/- sq. ft. as unit cost of built up area. The quoted rate will be valid for plus or minus 25% variation of proposed built up area of 5 lakhs sq. ft. If the area of work proposed increases/ decreases beyond 25%, new rate may be settled with mutual agreement by both parties. No extra payment will be paid if the completion of the project is extended due to slow progress by the contractors. The PMC should see that the project is completed within the scheduled time.

6.9 Retention Money:

90% of payment will be released on completion of each stage. 10% of the amount will be retained as retention amount from each running bill. 50% of the retention money will be released on submission of completion certificates, manuals, as-built drawings and handing over of all facilities by the respective contractors and final bill certifications for all contractors and the balance 50% will be released after twelve months from the date of commissioning of the project and after certifying to the effect by the Project Management Consultant that all the defects as pointed out have been rectified by the contractors concerned.

6.10 Indemnity Bond:

5% of final bill value should be provided in form of indemnity bond along with final bills by the PMC for 5 years period after defect liability period, to attend and rectify any design related issues.

Section – VII

SPECIAL CONDITIONS OF CONTRACT

A. General

7.0 Definitions

The **Arbitrator** is the person appointed jointly by the Owner and the Project Management Consultant to resolve disputes.

The **Completion Date** is the date of completion of the task as indicated in scope of work.

The Contract is the contract between the Owner and the Project Management Consultant to execute and complete the task.

The **Contract Data** defines the documents and other information which comprise the Contract.

The **Project Management Consultant's Bid** is the complete Bidding document submitted by the Project Management Consultant to the Owner.

The **Contract Price** is the price stated in the Letter of Award.

The **Owner** is the party who will employ the Project Management Consultant to carry out the Works. In this contract, TIDCO or its designated agencies is the Owner of the project.

Country means the country in which the site is located i.e. India.

The **Intended Completion Date** is the date on which it is intended that the Project Management Consultant shall complete the Works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Owner by issuing an extension of time.

The **Start Date** is the date when Issue of Letter of Award, the notice to proceed with the work is given to the Project Management Consultant.

A **Variation** is an instruction given by the Owner which varies the scope of work in the tender document.

7.1 Interpretation

The documents forming the Contract shall be interpreted in the following order of priority:

- (1) Agreement
- (2) Letter of Award, notice to proceed with the works
- (3) Project Management Consultant's Bid
- (4) Contract Data
- (5) Conditions of Contract & Special conditions of the contract.
- (6) Price Bid
- (7) Minutes of Pre Bid Meeting
- (8) All correspondences between the Consultant and the Owner upto issue of Letter of Award.

7.2 Language and Law

The language of the Contract and the law governing the Contract are stated in the Contract Data.

7.3 Owner's Decisions

Except where otherwise specifically stated, the Owner will decide contractual matters between the Owner and the Project Management Consultant in the role representing the Owner.

7.4 Delegation

The Owner may delegate any of his duties and responsibilities to TIDCO'S officials/any other approved agency after notifying to the Project Management Consultant and may cancel any delegation after notifying to the Project Management Consultant.

7.5 Communications

Communications between parties which are referred to in the conditions are effective only when in writing.

7.6 Personnel

The Project Management Consultant shall employ the key personnel as per list specified in Man Power Deployment statement. The Owner will approve any proposed replacement of key personnel only if their qualifications, abilities, and relevant experience are substantially equal to or better than those of the personnel listed in the Schedule.

If the Owner wishes to remove a person of the Project Management Consultant who is provided by the Project Management Consultant for his work, the Project Management Consultant shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.

7.7 The Works to Be Completed by the Intended Completion Date

The Project Management Consultant may commence execution of the Works after fulfilling the contract conditions and shall carry out the Works in accordance with the program submitted by the Project Management Consultant, as updated with the approval of the Owner, and complete them by the Intended Completion Date.

7.8 Possession of the Site

The Project Management Consultant will be responsible for the overall control of the site for carrying out site specific studies / work, etc. by the respective agencies as per the project requirements.

7.9 Access to the Site

The Owner shall allow the Project Management Consultant and his / their authorised representative access to the Site, to any place where work in connection with the Contract is being carried out or is intended to be carried out.

7.10 Instructions

The Project Management Consultant shall forthwith comply with and duly execute any work as instructed by the Owner. All instructions will be in writing. Instructions if orally given then Project Management Consultant shall confirm them within seven days from the date of such instructions.

7.11 Disputes

If the Project Management Consultant believes that a decision taken by the Owner was either outside the scope of work or that the decision was wrongly taken, the decision shall be referred to the Arbitrator.

7.12 Procedure for Disputes

In case of dispute between the Project Management Consultant and the Owner, it may be referred to Arbitrator. If the Arbitrator suggested by the Owner is not acceptable to the Project Management Consultant, two Arbitrators one by the Project Management Consultant and the other by the Owner will be nominated. The Third Arbitrator who will be the Chairman will be appointed by The Chairman, Institution of Engineers, Chennai Centre.

B. Time Control

7.13 Program

The Project Management Consultant shall submit to the Owner for approval a Program Plan showing the general methods, arrangements, order, and timing for all the activities in the Works. An update of the Program shall be a program showing the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining work including any changes to the sequence of the activities.

The Project Management Consultant shall submit to the Owner, for approval, an updated Program at intervals. If the Project Management Consultant does not submit an updated Program, the Owner may withhold the amount from the next payment certificate and continue to withhold this amount till the overdue updated Program is submitted.

7.14 Extension of the Intended Completion Date

The Owner shall extend the Intended Completion Date if it is found to be impossible for Completion within the Intended Completion Date and the Project Management Consultant should take steps to accelerate the remaining work without any additional cost.

7.15 The Owner shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Project Management Consultant asking the Owner for a decision upon the effect of a **Compensation Event or Variation** and submitting full supporting information. If the Project Management Consultant has failed to give early warning of a delay or has failed to cooperate in dealing with a delay, the delay by this failure shall not be considered in assessing the new Intended Completion Date.

7.16 Delays Ordered by the Owner

The Owner may instruct the Project Management Consultant to delay the start or progress of any activity within the Works.

7.17 Management / Review Meetings

The Project Management Consultant shall conduct periodical review meetings viz. daily, weekly and monthly at different levels based on the nature of issues and also to monitor the progress of the work against targeted dates for various activities to complete the project within the stipulated period. The PMC will be responsible for the overall project completion within the scheduled time.

The Project Management Consultant shall record the business of management/review meetings and is to provide copies of his record to those attending the meeting and to the Owner. The responsibility of the parties for actions to be taken is to be decided by the Owner as stated in the Minutes of Review Meetings and circulated to all those who have attended the meeting.

The Project Management Consultant should coordinate with all the contractors viz. Civil, Electrical, Mechanical, ACMV, DG, BMS etc., for interfacing and do the monitoring of work progress on continued basis till successful completion of the Project as per schedule.

7.18 Early Information

The Project Management Consultant is to inform the Owner at the earliest opportunity of specific likely future events or circumstances that may adversely affect the quality of the work, increase in the Contract Price or delay in the execution of works. The Owner may require the Project Management Consultant to provide an estimate of the expected effect of the future event or circumstance on the Contract Price and Completion Date. The estimate is to be provided by the Project Management Consultant as soon as reasonably possible.

The Project Management Consultant shall cooperate with the Owner in making and considering proposals for how the effect of such an event or circumstance can be avoided or reduced by anyone involved in the work and in carrying out any resulting instruction of the Owner.

C. Quality Control

7.19 Identifying Defects

The Project Management Consultant's work shall be checked by the Owner and he will notify the Project Management Consultant of any Defects that are found. The Project Management Consultant shall not disown their responsibilities at any cost.

The Project Management Consultant shall permit the Owner's Technical auditor to check the Project Management Consultant's work and the Technical auditor will notify the Owner and Project Management Consultant of any defects that are found. Such a check shall not affect the Project Management Consultant's responsibility as defined in the Contract Agreement.

7.20 Variations

All Variations shall be included in updated Programs produced by the Project Management Consultant.

7.21 Payments for Variations

The Project Management Consultant shall provide the Owner with a quotation (with breakdown of rates) for carrying out the Variation when requested to do so by the Owner. The Owner shall assess the quotation, which shall be given within seven days of the request or within any longer period stated by the Owner and before the Variation is ordered.

If the Project Management Consultant's quotation is unreasonable or if the Project Management Consultant fails to provide the Owner with a quotation within a reasonable time specified by the Owner, the Owner may order the Variation and make a change to the Contract Price which shall be based on Owner's own forecast of the effects of the Variation on the Project Management Consultant's costs.

The Project Management Consultant shall not be entitled to additional payment for costs that could have been avoided by giving early warning.

7.22 Payment Certificates

Interim Payment will be as indicated in the Payment Schedule. Retention Money of 10% will be deducted from each bill. 50% of the retention money will be released on submission of completion certificates, manuals, as built drawings and the balance 50% will be paid after the twelve months from the date of commissioning of the project and after certifying to the effect by the Project Management Consultant that all the defects as pointed out have been rectified by the contractors concerned.

The Final bill will be paid after the Project Management Consultant takes over the building and hands over to the Owner and after certification of final bills to all the contractors, submission of Completion Plans (as built drawings) and Manuals for Operation and Maintenance.

7.23 Extension of Time

The following are reasons for Extension of time unless they are caused by the Project Management Consultant:

- (a) The Owner does not give access to the Site by the Site Possession Date stated in the Contract Data.
- (b) The Owner does not conclude the contracts for execution of various packages including issue of drawings, specifications or instructions required for execution of works on time.

7.24 Tax

The rates quoted by the Project Management Consultant shall be deemed to be inclusive of all expenses. GST will be paid extra over the quoted rates at the rates in force. Income Tax will be deducted from the quoted rate at source as per applicable law.

7.25 Liquidated Damages

The Project Management Consultant shall pay liquidated damages to the Owner at the rate per day stated in the Contract Data for each day that the Completion Date is later than the Intended Completion Date (for the whole of the works or the milestone as stated in the contract data). The total amount of liquidated damages shall not exceed the amount defined in the Contract Data. The Owner may deduct liquidated damages from payments due to the Project Management Consultant.

“Time is the essence of the contract and payment or deduction of liquidated damages shall not relieve the Project Management Consultant from his obligation to complete the work as per agreed construction program and milestones or from any other of the Project Management Consultant’s obligations and liabilities under the contract.”

If the Intended Completion Date is extended after liquidated damages have been paid, the Owner shall correct any overpayment of liquidated damages by the Project Management Consultant by adjusting the next payment certificate.

D. Finishing the Contract

7.26 Completion

The Project Management Consultant shall certify that various contracts are completed as per the scope of work and project is completed and commissioned in all respects. After receiving the above certificates the Owner will issue completion certificate to the Project Management Consultant.

7.27 Final Account

The final bill will be settled after Testing and commissioning of all the items of work contemplated in the agreement to the satisfaction of the Owner and taking over of the building by the Owner.

7.28 Operating and Maintenance Manuals

“As built” Drawings and operating and maintenance manuals that are required shall be submitted by the Project Management Consultant within 30 days of certification of final bills for respective packages. Adequate number of copies of as built drawings in addition to providing soft copies should be submitted as required by the owner for submitting to various approvals.

In the event of the Project Management Consultant does not supply the Drawings and/or manuals or they do not receive the Owner’s approval, the Owner shall withhold the retention money from payments due to the Project Management Consultant stated in the Contract Data.

7.29 Termination

The Owner may terminate the Contract if the Project Management Consultant causes a fundamental breach of the Contract. Fundamental breach of Contract includes, but shall not be limited to, the following:

- (a) The Project Management Consultant could not issue the Good For Construction Drawings (GFC) within 30 days for structural works from the date of concept design approved by the Owner and other drawings (GFC) within 60 days.
- (b) The Project Management Consultant becomes bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
- (c) The Owner gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Project Management Consultant fails to correct it within a reasonable period of time determined by the Owner;
- (d) The Project Management Consultant has delayed the completion of works by the number of days for which the maximum amount of liquidated damages can be paid as defined in the Contract data;
- (e) If the Project Management Consultant, in the judgment of the Owner has engaged in fraud and corruption, in competing for or in executing the Contract; or
- (f) The Project Management Consultant stops work for 28 days when no stoppage of work is shown on the current program and the stoppage has not been authorised by the Owner.

When either party to the Contract gives notice of a breach of contract to the Owner for a cause other than those listed under Sub Clause 7.30 above, the Owner shall decide whether the breach is fundamental or not.

Notwithstanding the above, the Owner may terminate the Contract for convenience. If the Contract is terminated, the Project Management Consultant shall stop work immediately.

7.30 Payment upon Termination

If the Contract is terminated because of a fundamental breach of Contract by the Project Management Consultant, the Owner shall issue a certificate for the value of the work done less advance payments received up to the date of the issue of the certificate, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law and less the percentage to apply to the work not completed as indicated in the Contract Data. Additional Liquidated Damages shall not apply. If the total amount due to the Owner exceeds any payment due to the Project Management Consultant the difference shall be a debt payable to the Owner.

If the Contract is terminated at the Owner's convenience or because of a fundamental breach of Contract by the Owner, the Owner shall issue a certificate for the value of the work done, repatriation of the Project Management Consultant's personnel employed solely on the Works, and the Project Management Consultant's costs of protecting and securing the Works and less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract and less taxes due to be deducted at source as per applicable Indian law.

7.31 Submission of Documents / Reports / Drawings

All the reports / documents / drawings for approval should be submitted in triplicate besides soft copies for reference. The adequate no. of final drawings / documents as decided by TIDCO, should be submitted as per the requirements of the project including for tender / statutory Authorities at free of cost.

Section – VIII

8.0 CONTRACT DATA

Owner: (TIDCO)	Tamilnadu Industrial Development Corporation Ltd
Corporate Office	TIDCO, 19-A, Rukmini Lakshmi pathy Salai, Egmore, Chennai – 600 008
Project Address	Sriperumbudur, Kanchipuram District
Works Consist of	Preparation of layout plan, conceptual and basic design, detailed engineering drawings for the proposed Advanced Computing and Design Engineering Centre (ACDEC) for Aerospace & Defence Park at Sriperumbudur, Kanchipuram District getting approval from the Owner, Preparation of detailed good for construction drawings(GFC) & designs for all packages such as Civil , Plumbing, Electrical, DG, Lift, ACMV, fire fighting, BMS etc. Preparation of bid documents for all packages and evaluation, Project site management during execution and certification of contractors' bills, post construction services, etc. as detailed in scope of work.
Start Date	Date of issue of LOA (Letter of Award)
Intended Completion Date	18 months for whole of the Works with the following milestones: The Contract Period of the Project Management Consultant will be 24 months for the preparation of Conceptual and basic design, drawing and project management
Appointing Authority for the Arbitrator	The Chairman / TIDCO, Egmore, Chennai –600008
Liquidated Damages	Rs.10,000/- per day for the extended period for each milestone. The maximum amount of liquidated damages for the whole of the works is 5% of final contract price.

Section – IX

TERMS OF REFERENCE

a. DETAILED SCOPE OF WORK

9.1 Objective of the Assignment:

The objective of the Assignment is to handhold TIDCO as PMC/ Owner's Engineer to conceptualise, design, develop, implement and commission **Advanced Computing and Design Engineering Centre (ACDEC) for Aerospace & Defence Park in Sriperumbudur, Kanchipuram District.**

9.2 Detailed Scope of Work:

The consultant shall provide services as Project Management Consultant (PMC) for proposed **Advanced Computing and Design Engineering Centre (ACDEC) for Aerospace & Defence Park in Sriperumbudur, Kanchipuram District** covering the scope of work that includes Design and Layout and Specifications as per statutory requirements. Detailed Engineering, Preparation, Evaluation and Finalisation of Tender Document and Contracting, Construction, Project Management and Post Construction Services and Supervision of Project Execution Phase including Erection, Testing, Commissioning and Performance Testing of the Project.

In general, PMC shall act on behalf of TIDCO (Owner), report to the Owner and be responsible for carrying out the following assignments:

Stage I

Conceptual and Basic Design:

Site Lay Out

1. TIDCO envisages to build **Advanced Computing and Design Engineering Centre (ACDEC) for Aerospace & Defence Park at Sriperumbudur, Kanchipuram District** with a built up area of around 5 Lakhs sq. ft in the available existing vacant land of 12 acres belongs to TIDCO. This proposal of 5 Lakhs sq. ft in Phase I is part of the overall development plan of around 12 Lakh sq. ft. The layout plan of the campus is enclosed for reference.

Building Layout:

The comprehensive stage wise services of the Project Management Consultant:

2. The comprehensive services include pre-design study including architectural, structural and plumbing designs, electrical, air conditioning and mechanical ventilation, building management system, exhaust system, heating, acoustics, fire fighting and interiors, architectural and engineering designs of all external services namely roads, sewerage systems, drainage, sewage/effluent treatment plan utilities, water supply, street lighting, landscaping and horticulture, telecom and networking, utilities routing, security system and graphic signage.

3. Pre-design Study of the available Land in the existing site for expansion project taking into account the land requirement and to prepare actual layout.
4. Site specific studies viz. site survey, contour survey, soil investigation, hydro-geological investigation, traffic study etc., shall be carried out by Project Management Consultant for finalising the designs.
5. Preparation of concept drawings & layout plan for achieving maximum FSI in the 12.04 acre plot.

Design Brief Report:

- a) Design Brief Report shall be prepared for the selected building model with complete infrastructure and facilities. Such as built up space, with state of Art facilities, knowledge support, in the form of formulating business proposition, financial model, product development and R&D activities.
- b) The report should analyse various designs, processes, equipment, models, etc. suitable to establish knowledge based support for the entrepreneurs/startups in the area of aerospace, internet of the things, design, product development and R&D activities in such sectors as avionics, artificial intelligence(robotic), wireless communication etc. as per the needs of aero Industry trend and also market requirement.

Submission of Documents for Statutory Approvals:

6. The Project Management Consultant has to submit at least three different building designs with one prototype model for the selected lay out. The consultant has to prepare three building line plans and also 3D walkthrough video presentation for getting approval for the concept drawings and Architectural drawings from TIDCO.
7. The Consultant is responsible to prepare all the documents / applications and submit to TIDCO for submitting the same to the concerned authorities for getting statutory approvals from Director Town and Country Planning/ Corporation / Fire Department, etc. as required for the project.

Stage II

Detailed Design, Drawing, Engineering and Contracting:

Detailed Engineering:

8. Preparation of Detailed Engineering design and Tender Drawings, structural designs and analysis for the selected building model.

Good For Construction Drawings:

9. Good for Construction Drawings for all fields like Architecture, Structural, Plumbing, Fire Fighting, ACMV, Electrical, Lifts, DG Sets, IBMS, Signages, External Façade works, Internal Partitions if any, Sewage and water Treatment Plants, Street Lighting, Security Systems, Telecom and networking, Roads, Rain Water Harvesting and other related fields and utilities.

10. The Project Management Consultant while preparing drawings should take into account the statutory rules in force of the local bodies, fire fighting department, Airport authorities etc.
11. The necessary approvals for the architectural designs are to be obtained from TIDCO before proceeding with detailed engineering. The Project Management Consultant should ensure coordination with TIDCO and all the Firms as a single point responsibility during the entire project till completion of the project.

Detailed Cost Estimates and Detailed Project Report:

12. Based on the cost estimates, detailed project report to be prepared and submitted as per the format of the financial institutions.

Tender Documents for Selection of Contractor for various packages:

13. Preparation of Tender Documents, specifications, rate analysis etc. in consultation with the owner for various packages and evaluation of the technical and commercial offers for all packages. The task includes complete tender process viz., Preparation of Tender Notice, Tender Documents, Issue of documents, participation in pre-bid meetings, preparation of minutes, discussion with clients in fixing qualification criteria and other conditions of tender for all packages, assisting in issue of LOA, preparation of draft agreement, etc. The Project Management Consultant has to prepare tender documents as per the requirements and as decided by TIDCO.
14. Preparation of procedures for various packages such as erection, commissioning, testing procedures as per applicable standards.
15. Preparing the Project implementation schedule and activities and monthly cash flow requirements for all the packages till completion.

Stage III

Project Execution, Testing & Commissioning:

16. Complete Project Supervision, day to day monitoring of project progress, cost control, quality control, time scheduling, certification of payments to contractors. Preparation of Master PERT / BAR chart for the entire Project. Getting PERT / BAR chart from the individual contractors, analyse and report. Watching the progress of work with respect to the provisions indicated in the progress charts. Assisting Owner in the following specific areas:
 - A) Watching the progress of various packages.
 - B) In conducting Project Review Meetings on daily/weekly basis
 - C) Preparation of minutes for the Meetings.
 - D) Issuing notice to contractors in case of short fall in progress.

17. Preparing and submitting Daily, weekly and monthly progress reports and achieving the targets.
18. Approval of shop drawings by equipment / services contractor. Preparation of master Bar Chart / PERT Chart and monthly reporting systems. Co-ordination with all agencies in ensuring adherence to the prescribed time schedule. Recruiting senior quality assurance personnel for technical auditing.
19. The number of technical people to be employed in the project has been Indicated in the Annexure. The Consultant should employ the technical staff as per the strength indicated.
20. Third party inspection of bought-out items like DG set, air-conditioning / ventilation equipment, security systems, fire-fighting systems, elevators, Electrical, Water supply and sanitary systems, etc.
21. Review of Contract and Sub-contract modules for various packages for proper interface and clarity during execution.
22. Project Supervision and quality assurance / control as per standard practice and drawings, testing of construction materials, preparation of various schedules needed for the project completion, methods of random sampling, verification of work of the Contractors as per the specifications and tender requirements, deputing suitable technical engineers for the Off-site inspection of major equipment if required, Project material stores control etc.
23. Proposal of finalisation of insurance plan, quality plan and safety system to be adopted and submitted to TIDCO. Communicating with all the Contractors in furnishing required information with a copy marked to TIDCO.
24. Contractor's bills certificates: Checking of detailed measurements submitted by the respective contractors for all the packages including advance and running bills have to be verified and certified for payments, preferably within three working days for advance bills and seven days for detailed bills with measurements. Final bills have to be verified and certified for payments within 2 months from submission subject to completion of works satisfactorily.

Testing and Commissioning:

25. Obtaining the stability certificate of the Building.
26. Advising the owner on the readiness of all the systems after completion for its performance and acceptance testing.
27. Ensuring that the Erection, Commissioning and testing have been carried out as per the standards.

28. Witnessing and certifying all the systems tests such as performance, efficiency etc. which are carried out as per the tender document conditions.
29. Preparing list of all the outstanding items for final acceptance.
30. Obtaining all performance guarantee certificates for all the systems needed and reliability of the systems.
31. Obtaining lifetime of all the equipment of the systems.
32. Submitting the completion report & certification of all the final bills along with as built drawings for all packages.

Stage IV

Post Construction Services

33. Preparation of management procedures after take over.
34. Monitoring the performance and closing of outstanding issues.
35. Identifying the defects of all packages and instructing the Contractors for rectifying and reporting to TIDCO.
36. Preparation and submission of O&M Procedures, Manuals and three sets of As-Built Drawings for all packages with soft copy.
37. Handing over of the project to TIDCO after successful completion of all the systems.
38. Addressing all the issues during the defect liability period for all packages.

Post Construction Services After Defects Liability Period

39. Certifying all packages after defects liability period is over.
40. Attend & rectify all design related issues of the building & systems for which the Architect was originally responsible for design etc. within a reasonable time free of cost for a period of five years after completion of the project.
41. Validation of facilities after completion of Defects Liability Period (DLP) in order to release the final retention money by the owner to various contractors.

b. Project Completion Schedules and Milestone dates:

Mile Stones	Brief Description of work	Period in months from the date of Issue of LOA to Project Management consultant	
			Cumulative
Mile Stone 1	Stage I Scope of Work (Conceptual and Basic Design) & Activities 1 to 7	2 Months	2 Months
Mile Stone 2	Stage II Scope of Work (Detailed design drawing, Engineering, Cost estimates and DPR). Activities 8 to 15	2 Months	4 Months
Mile Stone 3	Stage III scope of work (Project execution, testing and commissioning) Activities 16 to 32	14 Months	18 Months
Mile Stone 4	Stage IV scope of work (Post construction services) 33 to 41	6 Months	24 Months

c. PAYMENT SCHEDULE

S.No	Activity to be completed	Payment for Activity % of total fee	Cumulative % of total fee
1.	Stage I (Activity 1 to 4) Preparation of Site lay out and Building Layout	5	5
2.	Stage I (Activity 5,6 &7) Design Brief Report and submission of Application for statutory approvals	5	10
3.	Stage II Activity 8 Preparation of Detailed Engineering	15	25
4.	Stage II (Activity 9 to 15) Preparation of GFC, detailed cost estimates and DPR, tender documents for selection of contractor	15	40
5.	Stage III (Activity 16 to 32) Project Execution, Testing and Commissioning This will be paid in proportion to the expenditure on the work	55	95
6.	Stage-IV (Activity 33 to 41) Post Construction services and Defect Liability Period (DLP). This is for 12 months - 10% will be paid at the end of 6 months from start of DLP and the balance 10% at the end of 12 months	5	100

Reimbursement of Expenses:

If Project Management Consultant or their representatives are required to travel outside Chennai in respect of the works not covered under the scope of the work at the insistence of the Client, the travel and connected boarding and lodging expenses will be reimbursed to the Project Management Consultant and their representative on actual. However specific prior approvals have to be obtained.

d. Detailed Description of Tasks of Project Management Consultant

Phase Task

1. Project Organisation

1.1 Site Inspection :-- Project Management Consultant (PMC) will review All existing facilities

1.2 Collect Additional Data :-- After reviewing all existing facilities, PMC will collect additional information as required, including:
 a. Project building function/departments/occupants.
 b. Projected space.
 c. Required special support activities (lab, lab support, office, amenity or building support).
 d. Critical adjacencies.

1.3 Conceptual Design :--

Concurrent with the programming effort, PMC will work closely with the TIDCO Project Team to develop the conceptual design. Using the planning concepts developed during programming, various layout studies will be explored and analysed.

Typical assessments include:

- a. Efficiency (net/gross).
- b. Relative cost comparisons.
- c. Program compatibility.
- d. Facilities planning compatibility.
- e. Functional relationship
- f. Standards compatibility
- g. Flexibility
- h. Future Expansion
- i. Access to natural light
- j. Staff interaction
- k. Structural Integration
- l. MEP Distribution
- m. Internal Circulation
- n. Security
- o. Materials flow and Management
- p. Site opportunities and constraints

1.4 Block Occupancy Plan :-- PMC will develop a block occupancy plan based on the modular space program. Using the selected schematic design as the "game-board" and the various programmed spaces as "pieces", the meeting participants will be able to construct a multi-level block occupancy plan.

1.5 Program/Concept Report:-- PMC will consolidate all the above tasks in a Program/Conceptual Design report. The report will include the following:

- Introduction/executive summary
- Programming methodology

- Project goals and objectives
- Space Standards
- Facilities Planning
- Space Program
- Room data sheets
- Conceptual Design
- MEP systems description
- Cost estimate.
- Project schedule
- Outstanding issues.
- After the initial distribution of this document, all comments and revisions will be incorporated into final Program/Conceptual Design document.

Section – X

a. **Information about the Project Management Consultants**

The Project Management Consultant firms, are requested to furnish information about themselves, their works and their capability under the following format:

- 1) Name of the Company:
- 2) Year of Establishment:
- 3) Certificate of incorporation(furnish copies) :
- 4) Whether registered under appropriate Bodies similar to Council of Architecture/Indian Institute of Architecture
- 5) Enclose audited annual accounts for year ending 31.3.2018.
- 6) Works of similar nature of work designed and executed by the firm, giving full particulars on name of the client, value of work, brief description, year of completion etc and the scope of Architect. The copy/copies of completion of the assignment given by the clients may be furnished. A separate sheet may be added, if required.
- 7) Organizational details of the firm shall be Submitted detailing qualification and experience Of Key personnel, Staff strength etc. Availability of in-house modern technological facilities in the form of CAD and other specialist hardware and software shall be listed.
- 8) Details shall be furnished on projects which have been executed as a single point responsibility (turn-key assignment) with fast track approach, i.e completion within a tight time schedule, giving details.
- 9) Certificate or proof of appreciation of Consultant's works from Government or Private agencies for whom they have carried out design/project arrangement service/comprehensive project management.
- 10) List the names of Multinational Companies (MNC) / Indian Companies for whom single point Architectural and Engineering services have been rendered.
- 11) Company Brochure or any other presentation material related to this work shall be enclosed

b. Format of Curriculum Vitae (CV) for submission of details on the Domain Expertise and competence of Key staff

1. Proposed Position:

2. Name of Firm:

3. Name of Staff:

4. Profession:

5. Date of Birth:

6. Years with Firm/Entity: Nationality:

7. Membership in Professional Societies:

8. Detailed Tasks Assigned:

9. Key Qualifications:

[Give an outline of staff member's in-depth and successful experience and training most pertinent to tasks on assignment. Describe degree of responsibility held by staff member on relevant previous assignments and give dates and locations, Reference projects, Client's acknowledgments of successful completion of projects. Use about half a page.]

10. Education:

[Summarize college/university and other specialized/management/professional education of staff member, giving names of schools, dates attended and degrees obtained. Use about one quarter of a page]

11. Employment Record:

[Starting with present position, list in reverse order every employment held. List all positions held by staff member since graduation, giving dates, names of employing organizations, titles of positions held, and locations of assignments. For experience in last ten years, also give types of activities performed and Client references, where appropriate. Use about three quarters of a page.]

12. Languages:

[For each language indicate proficiency: excellent, good, fair, or poor; in speaking, reading, and writing]

13. Certification: I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.

[Signature of staff member and authorized representative of the Firm] Day/Month/Year Full name of staff member: _____

Full name of authorized representative: _____

The information should cover for each parameter as below:

- i) Exposure of the Key staff (s) to similar Sector, if any.
- ii) Experience in Financial advisory//PMC on High Rise buildings /factory projects.
- iii) Ability to drive

c. LETTER OF SUBMISSION

To

Date:

The Chairman & Managing Director
Tamil Nadu Industrial Development Corp. Ltd
19A, Rukmini Lakshmipathi Salai
Egmore
Chennai – 600 008

Sir,

Sub: Submission of Tender for Selection of Project Management Consultant for the proposed Advanced Computing and Design Engineering Centre (ACDEC) for Aerospace & Defence Industries at Sriperumbudhur, Kanchipuram District.

1. Having examined the details given in the Invitation to Tender for the work referred under subject above we hereby submit the information and relevant documents.
 2. We hereby certify that all the statements made and information supplied in the enclosed formats A to G and accompanying statements are true and correct.
 3. We have furnished all information and details necessary for selection and have no further pertinent information to supply.
 4. We also submit a general description of our methods of speeding up the execution as required in the Clause 5.7 (g) of the documents.
 5. We submit the certificates in support of our suitability, technical knowhow and capability for having successfully completed the works during the last five years.
 6. We hereby certify that we have gone through all the terms and conditions of the Tender and we confirm that we signed in all pages of tender documents as a token of acceptance of tender conditions.
 7. Check List is enclosed.
- 10 I / We hereby agree to abide by the decision of TIDCO, in all matters relating to tender.
9. We enclose a Demand Draft for Rs. 5 Lakhs towards Earnest Money Deposit.

Yours faithfully,

Signature :

Name of authorized person :

Designation :

Name of the company :

Section – XI

FORMAT – A

STRUCTURE AND ORGANISATION

1.	Name of Applicant firm / Company	
2.a	Registered Office Address Telegraphic Address Telephone Number Telex Number / E-mail No. Fax Number	
b.	Name of the authorized person for contract execution Designation Telegraphic Address Telephone Number Telex Number / E-mail No. Fax Number	
C	Office address through which this work will be handled and the name of the officer in charge	
d.	Year of establishment and address of local office	
3.	The applicant firm is: a. a Proprietary Firm b. a Firm in Partnership c. a Limited Company or Corporation d. a Group of Companies e. a listed company	

4.	<p>a) Number of years experience in the field as single point comprehensive Engineering consultancy services.</p> <p>b) List of projects on hand as of 31-03-2018 their size, their current status & expected dates of completion</p>	
5.	<p>Attach the Organization Chart showing the structure of the organization including the names of the Directors and position of officers.</p> <p>Also list out total number of regular employees ,names of key personnel, their educational qualification & experience</p>	
6.	<p>Were you ever required to suspend work for a period of more than one year continuously after you started? If so, give the name of project and reasons thereof.</p>	
7.	<p>Have you ever left the work awarded to you incomplete? (if so, give name of projects and reasons for not completing work)</p>	
8.	<p>List out your project where penalties were imposed for delays – Give details</p>	
9.	<p>List out the projects where cases of litigation have arisen</p>	
10.	<p>a) Income tax returns certificate for Organisation / Firm (as on 31st March 2018).</p> <p>2015 – 16</p> <p>2016 – 17</p> <p>2017 – 18</p> <p>b) State Permanent Account number.</p>	

11.	<p>Enclose Annual report / Balance sheet and P & L statements for the past five years. (as on 31st March 2018)</p> <p>2015 – 16</p> <p>2016 – 17</p> <p>2017 – 18</p>	
12.	<p>Particulars of registration etc. if registered with any Government, Semi-Government, Municipal or other Organization (Give details including classification license etc)</p> <p>a) GST Registration no: GST of any other state</p> <p>b) Others (Specify)</p>	
13.	<p>Please give two references of firms/ Projects for whom you may have carried out as Project Management Consultant with a single point responsibility from whom TIDCO can verify directly about the ability, competence or capability of your Organization. Preferably attach certificates.</p>	
14. a	<p>Details of collaboration if any</p> <p>a. Name of collaborator</p> <p>b. Address</p> <p>c. Phone no</p> <p>d. E mail</p> <p>e. Fax</p>	
14. b	<p>Please enclose copies of agreement with collaborator</p>	

FORMAT – B

PERSONNEL

Give details of key Technical and Administrative Personnel (who could be assigned for the works) in the following proforma. Separate sheets may be enclosed.

A.	Lists of Board of Directors Details of Each Director 1) Name of the Director 2) Organisation (Represents) 3) Address	
B.	Key Technical and Administrative Personnel and Consultants: 1) Individual's Name 2) Qualification(Degree/ Post Graduate) 3) Present position of office 4) Professional experience and details of works carried out 5) Years with the applicant 6) Language known 7) Additional information 8) Please enclose separate sheet for each category viz., Architect, Civil Engineer, Structural Engineer, Mechanical Engineer, ACMV, Electrical, DG, Lift, BMS, Sewage Treatment	
C.	Man Power Deployment: Details of Personnel to perform the above said work. Has to provide for each category of persons as per Format G enclosed in the tender. Please note that this is mandatory one in order to fulfill the requirement of Technical Tender and opening of Financial Tender	

Date

Signature of Applicant with Official Seal

TECHNICAL QUALIFICATION

FORMAT – C

DETAILS REQUIRED TO SATISFY THE ELIGIBILITY CRITERIA (Section 3.0(a))

should have provided Comprehensive Consultancy / Engineering Services (single point responsibility) involving conceptual, basic design, structural designs, development of detailed drawings, project monitoring for construction of Non-residential multi storeyed buildings such as IT park/Office/Commercial/Technology Park with associated infrastructure & facilities including Electrical, ACMV, DG, Fire Fighting, BMS, Lifts etc. for single project with a project cost not less than Rs.150 crore and for a separate single project with minimum G + 10 Floors having not less than 5 Lakhs Sq.ft. of area during last five years

S.No.	Year	Project Details	Consultancy / Engineering services Works	Value in Indian Rupees	Project Area with no. of floors	Credentials Submitted
1	01.04.2013 to 31.03.2014					Yes/no
2	01.04.2014 to 31.03.2015					Yes/no
3	01.04.2015 to 31.03.2016					Yes/no
4	01.04.2016 to 31.03.2017					Yes/no
5	01.04.2017 to 31.03.2018					Yes/no

The following are enclosed:

- (i) **Memorandum / Articles of the company.**
- (ii) **Client's completion certificates for Project executed in each year should be furnished.**
- (iii) **The tenderer should submit documentary evidence for the above in the form of completion certificates or copy of final certified by or LOA or agreement or handing over / taking over certificate for at least one work in every year.**

Signature of TENDERER

Official seal of the Company

FORMAT – D

DETAILS REQUIRED TO SATISFY THE ELIGIBILITY CRITERIA (Section 3.0(c))

Should have an average annual turnover of atleast Rs.3 Crore in the last five financial years in consultancy work along with a minimum of Rs.2 crore in each of the financial year

S. No.	Year	Annual turnover from Indian operations	Name of project	Value in Indian Rupees
1	01.04.2013 to 31.03.2014			
2	01.04.2014 to 31.03.2015			
3	01.04.2015 to 31.03.2016			
4	01.04.2016 to 31.03.2017			
5	01.04.2017 to 31.03.2018			

Note:

- (i) **Annual report / Income Tax return to establish the Annual Turnover of the company for the last five years, enclosed.**
- (ii) **Auditor certificates to establish annual turnover for during the last five years, enclosed.**

Signature of TENDERER

Official seal of the Company

FORMAT – E

DETAILS REQUIRED TO SATISFY THE ELIGIBILITY CRITERIA (Section 3.0(d))

Should have established In-house Resources with a minimum of 50 technical personnel (atleast 10 persons should be graduate in Engineering/Architecture/Planning) with MEP experience in Design, Engineering and Managed Construction Services from concept to project commissioning

S. No	Name	Educational Qualification	Position	Area of Experience	Years with Firm/Entity

Signature of TENDERER

Official seal of the Company

FORMAT – F

FORMAT OF UNDERTAKING, TO BE FURNISHED ON COMPANY LETTER HEAD WITH REGARD TO NON BLACKLISTING / NON – DEBARMENT / NON – RESTRAINT BY ORGANIZATION

UNDERTAKING REGARDING BLACKLISTING / DEBARMENT / RESTRAINT

The Chairman and Managing Director
TIDCO
19-A, Rukmini Lakshmi pathi Salai
Egmore
Chennai – 600 008

Dear Sir,

Sub: Proposal for Selection of Project Management Consultant (PMC) for **Architectural & Detailed Engineering Consultancy Services for the Establishment & Construction of Aerospace Advanced Computing and Design Engineering Centre (ACDEC) for Aerospace & Defence Industries at Sriperumbudur – Undertaking – Reg.**

I / We _____ have gone through the Terms and Conditions, Scope of Work and Specification and will abide by them as laid down (Tender Documents, Technical Bid and Price Bid).

I / We _____ hereby confirm that our Company was not blacklisted by any State Government / Central Government / Public Sector Undertakings during the last three years. We also hereby confirm that our EMD / SD was not forfeited by any State Government / Central Government / Public Sector Undertakings during the last three years due to non-performance, non-compliance with the Tender Conditions etc.

I / We _____ hereby declare that all the particulars furnished by us in this Tender are true to the best of my / our knowledge and we understand and accept that if at any stage, the information furnished is found to be incorrect or false, we are liable for disqualification from this tender and also are liable for any penal action that may arise due to the above.

Yours faithfully,
For _____

Name:

Designation:

Signature:

Date:

FORMAT – G

MAN POWER DEPLOYMENT

1. The Project Management Consultant has to deploy the adequate and Resourceful Engineers/experts for the respective areas viz., Civil, Structural, ACMV, Electrical, DG, Lift, STP, FPS, BMS, Communications in all the stages as per the scope of work including the Design back Up office project supervision and post commission services. The consultant is expected to Provide manpower at optimum level throughout the contract period on continued basis as per the requirements of the project. Please note that the man power proposed is only indicative and minimum one to be provided for completion of the project within the scheduled time.

2. The payment will be linked with the performance and deployment of man power under Various activities. The consultant should submit tentative man power chart under month wise, for the (Design & constructing project supervision and post commissioning services) separately. The Quality services with deployment of adequate and experience technical man power are the key Factors for successful completion of the project, If any deficiency/gap in the provision of services / resource persons deductions will be made from the bills accordingly, on pro rata basis.

3. The minimum resource persons to be deployed under various stages of project implementation and required Qualification for Key Technical Personals are given below:

a. Design & Contracting (Tendering) Phase

The project of **ADVANCED COMPUTING AND DESIGN ENGINEERING CENTRE (ACDEC) IN AEROSPACE & DEFENCE INDUSTRIES AT SRIPERUMBUDHUR** is a prestigious and time bound one. In order to carry out all the activities in an integrated manner, the Project manager is a key person to interface with all the concerned agencies namely Design / Architect / structural / Domain experts (Bio / Scientific / ACMC / Electrical / etc.), owner, contractors, statutory authorities for all the stages of project implementation. In this context, the Project Manager should be provided on exclusive & full time basis for this project who will be the decision maker / coordinator from the consultant side for all the three phases namely a. Design and Award of Contracts b. Construction c. Testing & Commissioning. The other Professionals/experts as listed below should be made available on need basis and time slot should be clearly ear marked for this project on monthly basis in the design back up office of the Project Management Consultant with the consent of TIDCO as per the project requirements.

S. No.	Discipline	Month	Qualification	Experience (Years)
1	Architect	24	B.Arch.	15
2	Structural Engineer	16	B.E.Civil & M.E.Structures	10
3	Civil Engineer	16	B.E.Civil	10
4	Mechanical Engineer	12	B.E.(Mech.)	10
5	ACMV Engineer	12	B.E.(Mech. / A/C)	10
6	Plumbing Hydraulic Engineer	4	B.E.Civil / Mech.	10
7	Electrical Engineer	12	B.E.Electrical	10
8	IBMS Engineer	4	B.E.Electronics	10
9	Land scape Consultant	2	Degree in Civil / Horticulture	10
10	Contract Manager	7	Engineering Degree	10

b) Construction Phase at Site (Exclusive Basis)

The following persons should be provided on continued basis including 24 X 7 days as per the requirements of the project and nature of activities at site. The Project Management Consultant should get a prior approval for deployment of manpower under category wise.

S. No.	Discipline	Month	Qualification	Experience (Years)
1	Project Manager	22	B.E.Civil	15
2	Civil Engineer	20	B.E. Civil	7
3	Mechanical Engineer	16	B.E. Mech	7
4	Electrical Engineer	20	B.E.(Elec)	7
5	Technical Assistant Civil	24	D.C.E.	7
6	Technical Assistant Mechanical	24	D.M.E.	7
7	Technical Assistant Electrical	24	D.E..E.	7

c) Testing and Commissioning on Site & Post Construction (as per requirement)

S. No.	Discipline	Month	Qualification	Experience (Years)
1	Architect	1	B.Arch	10
2	Civil Engineer	2	B.E.Civil	5
3	Electrical Engineer	1	B.E.Elec.	5
4	Mechanical Engineer	1	B.E.Mech.	5
5	ACMV	1	B.E.Mech.	5
6	Junior Engineers	1	Diploma	5
	Total	7		

Appendix

Section – XII

a. Format of Bank Guarantee for Performance Security

(To be stamped in accordance with Stamp Act)

(Name of Bank)hereby agree unequivocally and unconditionally to pay at Chennai within 48 hours on demand in writing from the TIDCO or any Officer authorized by it in this behalf, of any amount upto and not exceeding Rs..... (Rupees.....only) (an amount equivalent to 10% of the awarded Lump sum Fees) to the said TIDCO on behalf of, (hereinafter referred to as Bidder) who have undertaken to **SELECTION OF PROJECT MANAGEMENT CONSULTANT (PMC) FOR ARCHITECTURAL & DETAILED ENGINEERING CONSULTANY SERVICES FOR THE ESTABLISHMENT & CONSTRUCTION OF ADVANCED COMPUTING AND DESIGN ENGINEERING CENTRE (ACDEC) FOR AEROSPACE & DEFENCE INDUSTRIES AT SRIPERUMBUDUR.**

This guarantee is irrevocable and shall be valid and binding on this Bank up to and including (date corresponding to three months from the date of execution of the Agreement) and shall not be terminable by notice or any change in the constitution of the Bank or the form of contract or by any other reasons whatsoever and our liability hereunder shall not be impaired or discharged by any extension of time or variations or alterations made, given, concerned or agreed with or without our knowledge or consent, by or between parties to the said written contract.

In case any dispute arising out of or in connection with the encashment of Bank Guarantee, the courts in Chennai will have jurisdiction.

We(name of the Bank) do hereby irrevocably undertake to, without any reference to the Bidder or any other person and irrespective of the fact whether any dispute is pending between TIDCO and the Bidder before any court or tribunal or arbitrator relating thereto, pay the amount due any payable under this guarantee without any demur, merely on a demand from TIDCO stating that the amount claimed is due by way of loss suffered by reason of any breach by the said Bidder of any the terms and conditions contained in the said document and other communications or by reason of the said Bidder's failure to perform the covenants of the same. Any such demand made on the Bank shall be conclusive, absolute and unequivocal as regards the amount due and payable by the Bank under this guarantee.

Place:

Date:

Address

Signature for Banker's Rubber Seal and Full

b. Format for Earnest Money Deposit

(In the letter head of the Bidder)

To

The Chairman and Managing Director
TIDCO
19-A, Rukmini Lakshmi pathi Salai
Egmore
Chennai – 600 008

Dear Sir,

Sub: Proposal for Selection of Project Management Consultant (PMC) for **ARCHITECTURAL & DETAILED ENGINEERING CONSULTANCY SERVICES FOR THE ESTABLISHMENT & CONSTRUCTION OF AEROSPACE ADVANCED COMPUTING AND DESIGN ENGINEERING CENTRE (ACDEC) FOR AEROSPACE & DEFENCE INDUSTRIES AT SRIPERUMBUDHUR** – Earnest Money Deposit – Reg.

We herewith enclose Demand Draft for the value of Rs. _____/- (Rupees Only) bearing number ***** dt ***** drawn from ***** Bank towards Earnest Money Deposit (EMD) for Selection of Project Management Consultant (PMC) for ARCHITECTURAL & DETAILED ENGINEERING CONSULTANCY SERVICES FOR THE ESTABLISHMENT & CONSTRUCTION OF ADVANCED COMPUTING AND DESIGN ENGINEERING CENTRE FOR AEROSPACE AT SRIPERUMBUDUR.

We understand that

- i) The EMD of the successful bidder will be retained as retention money which will be released after the completion of the assignment.
- ii) The EMD of the unsuccessful bidders will be returned after completion of the selection process.
- iii) The EMD shall be forfeited if we withdraw our bid during the period of bid Validity or if we fail to take up the work after issue of Letter of Award, in the case of we become successful bidder.
- iv) TIDCO will not accept any proposal received without the EMD as prescribed.

Yours Sincerely

by the hand of Mr.....(name of authorized signatory)

c. ARTICLES OF AGREEMENT – Draft

(Note: The given format is a sample one. However before signing, the draft format filled in all respect is to be approved from the TIDCO. On approval, the same shall have to be executed in Rs.100/- Non Judicial Stamp Paper)

ARTICLES OF AGREEMENT made on this day of2018 between TIDCO having its office at 19-A, Rukmini Lakshmi pathi Salai, Egmore, Chennai –600 008 (Hereinafter called "the Owner" which includes its Successors, Administrator, Executers etc) represented by its _____, _____ of the one part and..... of the other part whose registered office is situated at(Hereinafter called "The Contractor" which includes its Successors, Administrator, Executers etc.) represented by its Managing Director/Director/Authorised official or partner(s) Mr

1 WHEREAS the Owner is desirous of availing the Services of the Contractor for providing **ARCHITECTURAL & DETAILED ENGINEERING CONSULTANCY SERVICES FOR THE ESTABLISHMENT & CONSTRUCTION OF ADVANCED COMPUTING AND DESIGN ENGINEERING CENTRE (ACDEC) FOR AEROSPACE & DEFENCE INDUSTRIES AT SRIPERUMBUDUR** (hereinafter called "the Work") and has caused documents and Schedule of Quantities showing and describing the work to be done as prepared by the M/s. TIDCO 19-A, Rukmini Lakshmi pathi Salai, Egmore, Chennai –600 008.

2

AND WHEREAS the said documents numbered as per list attached to the tender document covering conditions, the specifications the Scope of work and the Schedule of Quantities initiated by TIDCO have been signed by or on behalf of the parties hereto.

AND WHEREAS the contractor in response to TIDCO tender, submitted their bids for providing the aforesaid services. TIDCO finalized M/s..... as theContractor for such services with effect fromAND WHEREAS the Contractor has furnished Bank Guarantee for a sum of Rs..... (Rupees) vide No ...drawn ondatedas Performance Bond, valid for entire contract period from the date of commencement for due performance of this agreement.

AND WHEREAS the Project Management Consultant has supplied TIDCO with a fully priced copy of the Lump sum Rate for their scope of work (which copy is hereinafter referred to as "the Contract

Bills") AND WHEREAS the said documents (hereinafter referred to as "the Contract Document") and the Contract Bills have been signed by or on behalf of the parties hereto.

NOW IT IS HEREBY AGREED AS FOLLOWS:

1. For the consideration hereinafter mentioned the Contractor will upon and subject to the Conditions annexed carry out and complete the job shown upon the Contract Document and described by or referred to in Project Management Consultancy the Contract Bills and in the said Conditions.
2. The Owner will pay Project Management Consultant the said contract amount Rs...../- (Rupees..... Only) (hereinafter referred to as "the Contract Sum") or such other sum as shall become payable hereunder at the times and in the manner specified in the said Conditions.
3. The said Condition and appendix thereto shall be read and construed as forming part of this Agreement, and the parties hereto shall respectively abide by, submit themselves to the Conditions and perform the agreements on their parts respectively in such Conditions contained.
4. The agreement and documents mentioned herein shall form the basis of this Contract.
5. This Contract is neither a fixed Lump sum Contract nor a Piece Work Contract but is a Contract to carry out the work as detailed in the Tender document in respect of provision for the above mentioned works / systems to Providing Project Management Consultant Services to be paid for according to actual services performed and works done at the lump sum rates contained in the Schedule of Quantities or as provided in the said Conditions.
6. The Owner reserves to itself the right of altering the Documents and nature of the work by adding to or omitting any items of work or having portions of the same carried out without prejudice to this Contract. There shall be changes ordered by the Owner on the scope and the Contractor shall not be entitled to any compensation or claim due to such change (s) / Order (s) by the Owner. The Contractor will only be paid for the actual services performed and works done payable at the accepted unit rates.
7. Time shall be considered as the essence of this contract and the contractor hereby agrees to commence the work from the date of acceptance letter issued by TIDCO as provided for in the said conditions and to complete the entire work within the stipulated period or the extended period as granted by the owner.
8. The contractor should have the required license to install the respective PMC and should have Insurance Policy to cover their workmen deployed and the associated risk for the assigned work.
9. The Time Schedule and Payment Terms for the Project Management Consultancy Services to be carried out as mentioned in Section – IX under the Heading Payment Schedule in Page No. 41.
10. All payments by Owner under this contract will be made only through Banking Channel at Chennai in Indian Rupees.

11. The Consultant will be responsible for appropriate insurance coverage. In this regard, the Consultant shall maintain workers compensation and employment liability insurance for their staff on the assignment.
12. The Consultants shall also maintain comprehensive general liability insurance, including contractual liability coverage adequate to cover the indemnity of obligation against all damages, costs and charges and expenses for injury to any person or damage to any property arising out of, or in connection, with the services which results from the fault of the consultant or its staff.
13. The Consultant shall indemnify and hold harmless against any / all claims, demands and /or judgments of any nature brought against the Client arising out of the services by the consultant under this agreement and in any case of claims, demands made against the Client, the liability of the Consultant shall be upto a maximum of 30% of the total consultancy fee.
14. All reports and other documents or software submitted by the Consultant in the performance of the Services shall become and remain the property of the Client. The Consultant may retain a copy of such documents but shall not use them for purposes unrelated to this Contract without the prior written approval of the Client.
15. The Consultant undertake to carry out the assignment in accordance with the highest standard of professional and ethical competence and integrity, having due regard to the nature and purpose of the assignment and to ensure that the staff assigned to perform the services under this Agreement, will conduct themselves in a manner consistent herewith.
16. The Consultant will not assign this Contract or sub-contract any portion of it without the Client's prior written consent.
17. The Client shall deduct the Tax Deduct at Source at the time of release of payment at every state as mentioned in this agreement.
18. The Consultant has agreed that all knowledge and information not within the public domain which may be acquired during the carrying out of this assignment, shall be, for all time and for all purpose, regarded as strictly confidential and held in confidence, and shall not be directly or indirectly disclosed to any person whatsoever, except with the written permission of Client.

19. **Termination:**

The Client reserves the right to terminate this contract, if the service rendered by the PMC Consultant has not been performed covering all the aspects on the terms of reference and to the satisfaction of client, or on the grounds of negligence of obligations as per the accepted bid conditions or any other reasons not attributable to the Client and on account of any Force Majeure events that may be decided by the solely at the discretion of Client. In the event of termination, the compensation shall be restricted up to the amount paid by the Client and no claim whatsoever for any compensation shall be entertained by Client. In the case of termination, both the parties shall give 30 days notice of termination of the contract on either side.

20. **Penalty:**

During the currency of the agreement if the Consultant is not in a position to complete the services as agreed to in Para 1 and within the time stipulated therein and if the Consultant requires further time for completion of the same, the Client reserves the right to offer extension of time, if the reasons attributed for the delay is beyond the control of the Consultant and shall levy Rs.10,000/- per day for the extended period for each mile stone. The maximum amount of liquidated damages for the whole of the works is 5% of final contract price.

21. Except as in the circumstances/manner below, all disputes and differences of any kind whatsoever arising out of or in connection with the agreement shall be deemed to have arisen at Chennai and only courts in Chennai shall have jurisdiction to resolve the same.

22. On any dispute or difference whatsoever arising between the parties out of or relating to the construction, meaning, scope, operations or effect of this contract or the validity or the breach thereof, the parties shall first endeavour to settle the same amicably in a spirit of co-operation. If the dispute cannot be amicably settled either party shall as soon as practicable give to the other party notice in writing of the existence of such dispute or difference, specifying the nature and the point at issue and the same shall be settled by Arbitration in accordance with the Arbitration and conciliation Act 1996 as amended time to time. In case of dispute between the Project Management Consultant and the Owner, then this may be referred to Arbitrator. If the Arbitrator suggested by the Owner is not acceptable to the Project Management Consultant, two Arbitrators one by the Project Management Consultant and the other by the Owner will be nominated. The Third Arbitrator who will be the Chairman will be appointed by The Chairman, Institution of Engineers, and Chennai Centre.

23. That the several parts of this Contract have been read by the Consultant and fully understood by the Consultant.

If the Contractor is a partnership or an individual:

IN WITNESS WHEREOF the Owner and the Consultant have set their respective hands to these presents and hereof the day and year first herein above written.

If the Contractor is a Company:

IN WITNESS WHEREOF the Owner has set its hand to these presents through its duly authorised official and the Consultant has caused its thro Managing Director/ Director/ Authorized official these presents and hereof to be executed on its behalf, the day and year first herein above written with witness whereof.

Signature Clause

<p>SIGNED AND DELIVERED by the. Owner M/s. TIDCO by hand of its Managing Director :</p> <p>Signature : Name and Designation : Address :</p> <p>WITNESSES: 1.Signature : Occupation: Address : 2.Signature : Occupation: Address :</p>	<p>SIGNED AND DELIVERED by the Consultant M/s. by hand of its :</p> <p>Signature : Name and Designation: Address :</p> <p>WITNESSES: 1.Signature : Occupation: Address : 2.Signature : Occupation: Address :</p>
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- Note: 1. If the Consultancy is a partnership firm, this agreement should be signed by all or on behalf of all the partners.
2. In case of company, If the signatory of the Consultant is other than Managing Director, the same should be in accordance with Articles of Association of the company. If so, a copy of the certified Resolution and Articles of Association evidencing the Authorized Director/officials should be provided.
3. In case of Authorized Signatory being Power of Attorney (POA), a certified Copy of POA should be provided and should sign and delivered by the Consultant by the hands of Thiru..... and duly constituted Attorney.

d. Check List

Sub: Submission of Tender for selection of Project Management Consultant for the proposed **Advanced Computing and Design Engineering Centre (ACDEC) for Aerospace & Defence Industries at Sriperumbudhur, Kanchipuram District**. We confirm that the following has been enclosed or not.

S. No.	Description of item	Enclosed	Not enclosed
1.	a Application in duplicate b Letter of Transmittal c Formats A to G.		
2.	Copies of I.T. return certificate. For the past 3 years – Assessment Year (as on 31 st March 2018) 2015 – 16 2016 – 17 2017 – 18		
3.	Certificate of Registration from a. Registrar of companies. b. Association of Architects c. Govt / Public bodies. Specify		
4.	Copies of Audited Balance Sheet and P & L statement for the past 3 years (as on 31 st March 2018). 2015 – 16 2016 – 17 2017 – 18		

S. No.	Description of item	Enclosed	Not enclosed
5.	Copies of GST Registration.		
6.	Supporting certificates for technical and financial capability from relevant authorities/ clients.		
7.	Board of Directors / Partners.		
8.	Organization Chart with responsibilities.		
9.	Details of facilities available for performing the said work.		
10.	Details of tie-ups, technical, financial with reputed foreign organization/ collaborator with copy of agreement .		
11.	Supporting certificates for completion of works and satisfactory performance from clients.		
12.	Supporting certificates for on-going works, Work order & date and stage of work.		
13.	Annual Report for the last 3 years (as on 31 st March 2018) 2015 – 16 2016 – 17 2017 – 18		

14.	<p>A detailed write-up on any method of approach specially devised to speed up the work. with respect to</p> <ul style="list-style-type: none"> i. Lay out for optimum utilization of FSI ii. Building models for optimum Lab Area utilization, utilities configuration, etc. iii. Integrated approach with respect to Design, Construction and Commissioning stages iv. Design & Execution of Major contracts for Civil, Electrical, DG, ACMV, Lifts etc with respect to techno-economics. 		
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I / we hereby agree to abide by the decisions of TIDCO in all matters relating to this tender.

Date of Submission

Signature of Applicant with Official Seal