

NICDIT KRISHNAPATNAM INDUSTRIAL CITY DEVELOPMENT
LIMITED (NKICDL)

National Competitive Bidding (NCB)

CONSULTANCY SERVICES FOR

**Preparation of Detailed Master Plan and Preliminary Design
Report for Roads & Services/ Utilities for Chilamathur
Industrial Area in Satya Sai District in Andhra Pradesh**

Request for Qualification

(RFQ) cum

Request for Proposal (RFP)

September 2024

NICDIT Krishnapatnam Industrial City Development Limited (NKICDL)

1st Floor, IHC Corporate, Plot No. 3, 4 & 6, IT Park, Mangalagiri
Guntur (Distt.), Andhra Pradesh-522503.

NKICDL
NICDIT Krishnapatnam Industrial City Development Limited
NATIONAL COMPETITIVE BIDDING (NCB)

**Request for Qualification (RFQ) cum Request for Proposal (RFP) for Selection of Consultant
for Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/
Utilities for Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

(Ref No: 05/CE/NKICDL/2024-25)

The Government of India envisaged the development of Hyderabad Bengaluru Industrial Corridor (HBIC) to achieve accelerated development and regional industry agglomeration in Andhra Pradesh. NICDIT Krishnapatnam Industrial City Development Limited (NKICDL), a special purpose company, has been entrusted to select the consultants for the HBIC Project.

Online tenders through e-procurement are invited by NICDIT Krishnapatnam Industrial City Development Limited (NKICDL) from interested bidders for the Selection of Consultant for the Preparation of a Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for **Chilamathur Industrial Area** in Andhra Pradesh under HBIC Project. The salient features of the project, eligibility criteria and prescribed formats for submission can be accessed in the RfQ cum RfP document uploaded on the electronic procurement platform of the Government of Andhra Pradesh i.e. <https://tender.apecurement.gov.in>.

NICDIT Krishnapatnam Industrial City Development Limited (NKICDL)

1st Floor, IHC Corporate, Plot No. 3, 4 & 6, IT Park, Mangalagiri Guntur (Distt.), Andhra Pradesh-
522503.

Disclaimer

1. This RFP document is neither an agreement nor an offer by the NICDIT Krishnapatnam Industrial City Development Limited (NKICDL) to the prospective Applicants or any other person. The purpose of this RFQ CUM RFP is to provide information to the interested parties that may be useful to them in the formulation of their proposal pursuant to this RFQ CUM RFP.
2. NKICDL does not make any representation or warranty as to the accuracy, reliability or completeness of the information in this RFQ CUM RFP document and it is not possible for NKICDL to consider the particular needs of each party who reads or uses this RFQ CUM RFP document. This RFQ CUM RFP includes statements which reflect various assumptions and assessments arrived at by NKICDL in relation to the consultancy. Such assumptions, assessments and statements do not purport to contain all the information that each Applicant may require. Each prospective Applicant should conduct its own investigations and analyses and check the accuracy, reliability and completeness of the information provided in this RFQ CUM RFP document and obtain independent advice from appropriate sources.
3. NKICDL will not have any liability to any prospective Consultancy Company/ Firm/ Consortium or any other person under any laws (including without limitation the law of contract, tort), the principles of equity, restitution or unjust enrichment or otherwise for any loss, expense or damage which may arise from or be incurred or suffered in connection with anything contained in this RFQ CUM RFP document, any matter deemed to form part of this RFQ CUM RFP document, the award of the Assignment, the information and any other information supplied by or on behalf of NKICDL or their employees, any consultants or otherwise arising in any way from the selection process for the Assignment. NKICDL will also not be liable in any manner whether resulting from negligence or otherwise however caused arising from reliance of any Applicant upon any statements contained in this RFQ CUM RFP.
4. NKICDL will not be responsible for any delay in receiving the proposals. The issue of this RFQ CUM RFP does not imply that NKICDL is bound to select an Applicant or to appoint the Selected Applicant, as the case may be, for the consultancy and NKICDL reserves the right to accept/reject any or all of the proposals submitted in response to this RFQ CUM RFP document at any stage without assigning any reasons whatsoever. NKICDL also reserves the right to withhold or withdraw the process at any stage with intimation to all who submitted the RFQ CUM RFP Application.

5. The information given is not an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. NKICDL accepts no responsibility for the accuracy or otherwise foofy interpretation or opinion on the law expressed herein.
6. NKICDL reserves the right to change/ modify/ amend any or all provisions of this RFQ CUM RFP document. Such revisions to the RFQ CUM RFP/ amended RFQ CUM RFP will be made available on the website of NKICDL.

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities Chilamathur
Industrial Area in Satya Sai District in Andhra Pradesh under HBIC Project**

Table of Contents

SECTION 1.	LETTER OF INVITATION	1
SECTION 2.	INSTRUCTIONS TO CONSULTANTS.....	3
2.1	<i>Introduction</i>	<i>3</i>
2.2	<i>Clarification and amendment of RFQ CUM RFP documents</i>	<i>6</i>
2.3	<i>Clarification and/ or interpretation of reports</i>	<i>7</i>
2.4	<i>Ownership of document and copyright.....</i>	<i>7</i>
2.5	<i>Bid security.....</i>	<i>7</i>
2.6	<i>Eligibility of applicants</i>	<i>8</i>
2.7	<i>Preparation of proposal</i>	<i>11</i>
2.8	<i>Submission, receipt and opening of proposals.....</i>	<i>14</i>
2.9	<i>Proposal evaluation</i>	<i>15</i>
2.10	<i>Correction of Errors.....</i>	<i>19</i>
2.11	<i>Negotiation</i>	<i>19</i>
2.12	<i>Award of contract</i>	<i>19</i>
2.13	<i>Confidentiality.....</i>	<i>20</i>
2.14	<i>Fraud and corrupt practices.....</i>	<i>20</i>
2.15	<i>Pre-Bid meeting</i>	<i>21</i>
2.16	<i>Miscellaneous</i>	<i>21</i>
2.17	<i>Tentative schedule for selection process.....</i>	<i>22</i>
SECTION 3.	TECHNICAL PROPOSAL – STANDARD FORMS	29
	FORM 3A: PRE-QUALIFICATION PROPOSAL SUBMISSION FORM	30
	FORM 3B: FORMAT FOR PRE-QUALIFICATION PROPOSAL (ELIGIBLE PROJECTS)	33
	FORM 3C: FORMAT FOR PRE-QUALIFICATION PROPOSAL.....	34
	(AVERAGE ANNUAL TURNOVER OF APPLICANT).....	34
	FORM 3D: FORMAT FOR JOINT BIDDING AGREEMENT (IN CASE OF JV/CONSORTIUM)	35
	FORM 3E: FORMAT FOR POWER OF ATTORNEY FOR AUTHORISED REPRESENTATIVE	39
	FORM 3F: FORMAT FOR POWER OF ATTORNEY FOR LEAD MEMBER OF JV/ CONSORTIUM.....	41
	FORM 3G: FORMAT OF BANK GUARANTEE FOR BID SECURITY	43
	FORM 3H: TECHNICAL PROPOSAL SUBMISSION FORM	46
	FORM 3I: APPLICANT’S EXPERIENCE	49
	FORM 3J: DESCRIPTION OF APPROACH, METHODOLOGY AND WORK PLAN FOR PERFORMING ASSIGNMENT.....	50
	FORM 3K: TEAM COMPOSITION AND TASK ASSIGNMENTS	51
	FORM 3L: CURRICULUM VITAE (CV) FOR PROPOSED PROFESSIONAL STAFF (WITH ONE PAGE OF SUMMARY OF EXPERIENCE)	52
	FORM 3M: STAFFING SCHEDULE.....	54
	FORM 3N: WORK SCHEDULE.....	55
SECTION 4.	FINANCIAL PROPOSAL – STANDARD FORMS	56
	FORM 4A: FINANCIAL PROPOSAL SUBMISSION FORM	57
	FORM 4B: SUMMARY OF COSTS.....	58
	FORM 4C BREAKDOWN OF REMUNERATION	58
SECTION 5.	TERMS OF REFERENCE	59
I.	FORM OF CONTRACT.....	89
II.	GENERAL CONDITIONS OF CONTRACT	92
6.1	<i>General provisions</i>	<i>92</i>
6.2	<i>Joint and Several Liability: Collective action by Members.....</i>	<i>95</i>
6.3	<i>Commencement, completion, modification and termination of contract.....</i>	<i>96</i>
6.4	<i>Termination</i>	<i>97</i>
6.5	<i>Obligations of the Consultants.....</i>	<i>98</i>
6.6	<i>Consultants’ personnel.....</i>	<i>100</i>
6.7	<i>Obligations of the client</i>	<i>101</i>
6.8	<i>Payments to the consultants.....</i>	<i>101</i>

Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities Chilamathur Industrial Area in Satya Sai District in Andhra Pradesh under HBIC Project

6.9 Settlement of disputes 101

6.10 Responsibility for accuracy of project documents..... 101

6.11 Liquidated damages..... 102

6.12 Representation, warranties and disclaimer 102

6.13 Miscellaneous 102

III. SPECIAL CONDITIONS OF CONTRACT..... 105

ANNEXURE A: FORM OF BANK GUARANTEE FOR PERFORMANCE SECURITY 109

Section 1. Letter of Invitation

NKICDL

Date: September, 2024

1. Introduction

The Government of India has envisaged the development of the Hyderabad Bengaluru Industrial Corridor (HBIC).

Gol has come up with a national program, “Make-In-India” to promote the manufacturing sector in a comprehensive manner. The program aims to facilitate investment, foster innovation, enhance skill development, protect intellectual property, and build best-in-class manufacturing infrastructure. On the other hand, the contribution of the manufacturing sector to the overall GDP in India is still lower as compared to that of fast-developing economies in the region like Thailand, China, Indonesia, and Malaysia.

Thus, what is seen is that at the national level, there is clearly an opportunity to steer industrial corridor development in a collective & coordinated fashion.

The strategy to develop the Hyderabad Bengaluru Industrial Corridor (HBIC) is to achieve accelerated development and regional industry agglomeration in the states of Tamil Nadu and Andhra Pradesh.

The Hyderabad Bengaluru Industrial Corridor proposes to address the infrastructure bottlenecks through a holistic approach while benefiting from the inherent strengths and competitiveness of each of the HBIC states. Accordingly, high-impact/market-driven nodes are proposed to be developed, at strategic locations, within the corridor to provide transparent and investment-friendly facility regimes. These regions are proposed to be self-sustained nodes with world-class infrastructure, road and rail connectivity for freight movement to and from ports and logistics hubs, served by reliable power, and quality social infrastructure, and provide a globally competitive environment conducive to setting up businesses. An Investment Region (IR) would be a specifically delineated industrial region with a minimum area through discussion among nodal agencies.

The broad vision for the **Chilamathur Industrial Area** is to become a ‘showcase of Andhra Pradesh’s leading manufacturing industries’ with the following principles:

- Integrate smart growth within a new sustainable township.
- Identify high-value manufactured products using Smart technology with high export potential.
- Maintain a unique cultural heritage.
- Provide a healthy quality of life.

Therefore, NICDIT Krishnapatnam Industrial City Development Limited (NKICDL) (Client) invites proposals to undertake the following assignment (“The Assignment”):

“Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for Chilamathur Industrial Area in Satya Sai District in Andhra Pradesh under HBIC Project”.

The detailed scope of services is provided in the Terms of Reference.

2. Objectives

The objective of this RFQ CUM RFP is to engage a consultant for the **Preparation of a Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for the Chilamathur Industrial Area in Andhra Pradesh under the HBIC Project.**

3. **A Consultant will be selected under Combined Quality cum Cost Based Selection (CQCCBS) and procedures described in this RFQ CUM RFP.**

4. **The RFQ CUM RFP includes the following documents:**

SECTION 1: Letter of Invitation

SECTION 2: Instructions to Consultants

SECTION 3: Technical Proposal - Standard Forms

SECTION 4: Financial Proposal - Standard Forms

SECTION 5: Terms of Reference

SECTION 6: Standard Forms of Contract

All clarifications/ corrigenda will be published only on the Client's website. The official website for accessing the information related to this RFQ CUM RFP is: <http://apeprocurement.gov.in> (the "Official Website").

Note: From the "Home" page access the "Tenders" section to access all the uploaded documents related to this RFQ CUM RFP.

Yours sincerely

**Chief Engineer
NKICDL**

Section 2. Instructions to Consultants

2.1 Introduction

- 2.1.1 The Client named in the datasheet will select a consulting firm/organization (the Consultant), in accordance with the method of selection specified in the datasheet. Applicants are advised that the selection of Consultant shall be on the basis of an evaluation by Client through the selection process specified in this RFQ CUM RFP (the "Selection Process"). Applicants shall be deemed to have understood and agreed that no explanation or justification for any aspect of the Selection Process will be given and that the Client's decisions are without any right of appeal whatsoever.
- 2.1.2 The Applicants shall submit the proposals online through the AP e-procurement Portal i.e. www.ap PROCUREMENT .gov.in Details of the enrolment process which shall be followed by the applicants and the process of preparation and submission of bid proposal are enclosed in "Annexure-B". Bid proposals received in the manual form at the client's address will not be accepted.**
- 2.1.3 The term "Applicant" refers to a single entity or a group of entities coming together to execute the assignment. The Proposal will form the basis for contract signing with the selected Consultant. The Consultant shall carry out the preliminary design and prepare tender documents for the selection of contractor and review the contractors' detailed designs and drawings of works in the project area in accordance with the Terms of Reference of this RFQ CUM RFP (the "TOR").
- 2.1.4 The Applicant shall submit the Proposal in the form and manner specified in this RFQ CUM RFP. Online submission of proposals to be submitted as per the date and time mentioned in this document. The Bidder is responsible for submitting the bid before the last date and time on the online portal, and NKICDL shall not be responsible for any delay due to any technical/server issues.**
- 2.1.5 The Proposal shall be submitted as per the forms given in relevant sections herewith. Upon selection, the Applicant shall be required to enter into a contract with the Client in the form specified in this RFQ CUM RFP (the "Contract").
- 2.1.6 Applicants should familiarize themselves with local conditions and take them into account in preparing their Proposals.
- 2.1.7 The Client will timely provide, at no cost to the Consultants, the inputs and facilities required to carry out the services and provide relevant project data and reports related to the Assignment available with the Client. However, for the avoidance of doubt, it is hereby clarified that the aforesaid data/ information provided under the RFQ CUM RFP or to be provided later, is only indicative and solely for the purposes of assisting the Applicants towards the preparation of their Proposals. The Applicants are hereby advised to undertake their own due diligence (to their complete satisfaction) before placing reliance on any such data/information furnished or to be provided later by the Client and/ or any of his consultants.
- 2.1.8 Applicants shall bear all costs associated with the preparation and submission of their proposals, their participation in the Selection process, and their presentation including but not limited to postage, delivery fees, and expenses associated with any demonstrations or presentations that may be required by Client or any other costs incurred in connection with or relating to its Proposal. The Client is not bound to accept any Proposal and reserves the right to annul the selection process at any time prior to Contract award, without thereby incurring any liability to the Applicants.
- 2.1.9 Client requires that the Consultant provides professional, objective, and impartial advice and at all times hold the Client's interests' paramount, avoid conflicts with other assignments or its own interests, and act without any consideration for future work.

Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for Chilamathur Industrial Area in Andhra Pradesh under HBIC Project

The Consultant shall not accept or engage in any assignment that may place it in a position of not being able to carry out the assignment in the best interests of the Client and the Project.

- 2.1.10 The client's policy requires that the Consultants observe the highest standard of ethics during the Selection Process and execution of such contracts. In pursuance of this policy, the Client:
1. defines, for this provision, the terms set forth below as follows:
 - a) "Corrupt practice" means the offering, giving, receiving, or soliciting anything of value to influence the action of officials in the Selection Process or in contract execution; and
 - b) "Fraudulent practice" means a misrepresentation of facts to influence the selection process or the execution of a contract in a way that is detrimental to the Client, and includes collusive practices among consultants (prior to or after submission of proposals) designed to establish prices at artificial, non-competitive levels and to deprive the Client of the benefits of free and open competition.
 2. will reject the Proposal for award if it determines that the Applicant has engaged in corrupt or fraudulent activities in competing for the contract in question;
 3. will declare an Applicant ineligible, either indefinitely or for a stated period of time, to be awarded a contract if it at any time determines that the Applicant has engaged in corrupt or fraudulent practices in competing for and executing the contract.
- 2.1.11 All members of the consortium are required to follow the highest level of work ethics, if any member of the consortium has a Conflict of Interest or indulges in "Prohibited Practices"; the whole Consortium is liable to be disqualified. Further, in the event any entity has been barred or blacklisted by the Central Government, any State Government, a statutory authority, or a public sector undertaking, as the case may be, from participating in any project or bid during the last 5 (Five) years, and the bar subsists as on the date of the Proposal Due Date, it would not be eligible to submit a Proposal either by itself or as part of a Consortium.
- 2.1.12 Arbitration: If any dispute or difference of any kind whatsoever arises between the parties in connection with or arising out of or relating to or under this RFQ CUM RFP, the parties shall promptly and in good faith negotiate with a view to its amicable resolution and settlement. In the event no amicable resolution or settlement is reached within a period of thirty (30) days from the date on which the above-mentioned dispute or difference arose, such dispute or difference shall be finally settled by arbitration. The arbitral tribunal shall consist of a sole arbitrator appointed by mutual agreement of the parties. In case of failure of the parties to mutually agree on the name of a sole arbitrator, the arbitral tribunal shall consist of three arbitrators. Each party shall appoint one arbitrator and the two arbitrators so appointed shall jointly appoint the third arbitrator. The seat of arbitration shall be TIA at "Mangalagiri" near 'Amaravati' of 'Andhra Pradesh' by excluding the seat of Arbitration and place of jurisdiction outside the State of Andhra Pradesh – India and the arbitration shall be conducted in the English language. The Arbitration and Conciliation Act, 1996 shall govern the arbitral proceedings. The award rendered by the arbitral tribunal shall be final and binding on the parties.
- 2.1.13 Termination of Contract: The client will have the right to terminate the contract by giving 30 (thirty) days written notice. In the event of termination for no fault of the Consultant, the Client will reimburse all the expenses incurred by the Consultant (upon submission of proof) including closing-up of the project. If the contract is terminated due to the fault of the Consultant or in case of termination of the contract by the Consultant for reasons not attributable to the Client, the Client will forfeit the performance security of the Consultant.
- 2.1.14 Details related to timelines and submission of deliverables at each stage is given in the TOR.

- 2.1.15 The Proposal shall be valid for a period of not less than 180 (one hundred and eighty) days from the Proposal Due Date (the "PDD").
- 2.1.16 Brief Description of the Selection Process: The Client has adopted a three-stage selection process (collectively the "Selection Process") for evaluating the Proposals. The Bids shall comprise three parts namely the Prequalification, Technical, and Financial Proposals. The Pre-Qualification Proposal shall be submitted online titled Request for Qualification (RFQ) along with the processing fee and bid security. The Technical Proposal and Financial Proposal shall also be submitted online in the relevant sections. The submissions for Pre-Qualification shall be evaluated first as specified in this RFQ cum RFP. Subsequently, the technical evaluation as specified in this RFQ cum RFP will be carried out only for those Applicants who meet the Pre-Qualification criteria. Based on this technical evaluation, a list of technically qualified Applicants shall be prepared. Only the Financial Proposals of technically qualified Applicants will be opened. Proposals will finally be ranked according to their combined technical and financial scores as specified in this RFQ cum RFP. The first-ranked Applicant (the —Selected Applicant) shall be invited for Negotiations while the second-ranked Applicant will be kept in reserve.**
- 2.1.17 Number of Proposals: No Applicant or its Associate shall submit more than one Application for the Consultancy. An Applicant applying individually or as a member of a consortium shall not be entitled to submit another application either individually or as a member of any consortium, as the case may be.
- 2.1.18 Visit to the Client and Verification of Information: Applicants are encouraged to submit their respective Proposals after visiting the office of the Client or its delegates as the case may be and ascertain for themselves the availability of documents and other data with the Client, Applicable Laws and regulations or any other matter considered relevant by them.
- 2.1.19 Right to reject any or all Proposals:
1. Notwithstanding anything contained in this RFQ CUM RFP, the Client reserves the right to accept or reject any Proposal and to annul the Selection Process and reject all Proposals, at any time without any liability or any obligation for such acceptance, rejection, or annulment, and without assigning any reasons thereof.
 2. Without prejudice to the generality of the above, the Client reserves the right to reject any Proposal if:
 - a) at any time, a material misrepresentation is made or discovered, or
 - b) the Applicant does not provide, within the time specified by the Client, the supplemental information sought by the Client for evaluation of the Proposal.
 3. Such misrepresentation/ improper response by the Applicant may lead to the disqualification of the Applicant. If such disqualification/ rejection occurs after the Proposals have been opened and the highest ranking Applicant gets disqualified/ rejected, then the Client reserves the right to consider the next best Applicant or take any other measure as may be deemed fit in the sole discretion of the Client, including annulment of the Selection Process.
- 2.1.20 Acknowledgement by Applicant
1. It shall be deemed that by submitting the Proposal, the Applicant has:
 - a) made a complete and careful examination of the RFQ CUM RFP;
 - b) received all relevant information requested from the Client;
 - c) accepted the risk of inadequacy, error, or mistake in the information provided in the RFQ CUM RFP or furnished by or on behalf of the Client;
 - d) satisfied itself about all matters, things, and information, including matters herein above, necessary and required for submitting an informed Application and performance of all of its obligations there under;

- e) acknowledged that it does not have a Conflict of Interest; and
 - f) agreed to be bound by the undertaking provided by it under and in term hereof.
2. The Client and/ or its advisors/ consultants shall not be liable for any omission, mistake, or error on the part of the Applicant in respect of any of the above or on account of any matter or thing arising out of or concerning or relating to RFQ CUM RFP or the Selection Process, including any error or mistake therein or in any information or data given by the Client and/ or its consultant.

2.1.21 RFQ CUM RFP Processing Fee: The RFQ CUM RFP submissions shall be accompanied by a Bank Draft INR 1,00,000.00 (Indian Rupees One Lakh only) plus GST @18% in favor of “NICDIT Krishnapatnam Industrial City Development Limited”, payable at Mangalagiri, Guntur (Distt.), as a non-refundable RFQ CUM RFP processing fee (the “RFQ CUM RFP Processing Fee”). Proposals unaccompanied with the aforesaid RFQ CUM RFP Processing Fee shall be liable to be rejected by the Client. The scanned copy of the processing fee shall be submitted online at the time of submission of bid proposals. The hard copy of the processing in the form of a Bank Draft shall be submitted at the Client’s office before the last date of submission of proposals. Applicants whose processing fee is not received by the Client before the last date of submission, their proposals will be rejected.

The processing fees can be transferred online as per the following details:

Name of the Bank: **Union Bank of India**
Branch Address: **Ring Road Branch, Vijayawada, Krishna Dist. 520008**
Type of Account: **Current Account**
Account No: **013411100005534**
IFSC Code : **UBIN0801348**

2.1.22 Project Office: Consultant is advised to have their main Project Office in Andhra Pradesh.

2.2 Clarification and amendment of RFQ CUM RFP documents

2.2.1 Consultants may seek clarification on this RFQ CUM RFP document, within a week of the date of issue of this RFQ CUM RFP document. Any request for clarification in writing at the mailing address indicated in the Invitation for bids.

The Client will endeavour to respond to the queries not later than 2 (two) weeks prior to the Proposal Due Date. The responses will be sent by fax or e-mail. The Client will post the reply to all such queries on the AP e-procurement Portal and on the NKICDL website.

2.2.2 At any time before the submission of Proposals, the Client may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Applicant, modify the RFQ CUM RFP documents by an amendment. All amendments/ corrigenda will be posted on the AP e-procurement portal and on NKICDL’s Website. In order to afford the Applicants a reasonable time for taking an amendment into account, or for any other reason, the Client may at its discretion extend the Proposal Due Date.

2.2.3 The date of the pre-bid meeting and venue are mentioned in the datasheet. Applicants willing to attend the pre-bid should inform the client beforehand in writing and email. The maximum no. of participants from an applicant, who chose to attend the pre-bid meeting, shall not be more than two per applicant. The representatives attending the pre-bid meeting shall be accompanied by an authority letter duly signed by the authorised signatory of his/her organisation.

2.3 Clarification and/ or interpretation of reports

After submission of the final reports of each phase by the Consultant, to the satisfaction of the Client or State Nodal Agency, if clarifications are required or doubt arises as to the interpretation of anything included in the reports, the consultant shall, on receipt of a written request from the Client or State Nodal Agency, furnish such clarification to the satisfaction of Client or State Nodal Agency within five (05) working days without any extra charge.

2.4 Ownership of document and copyright

All the study outputs including primary data shall be compiled, classified and submitted by the Consultants to the Client in hard and soft copies in addition to the requirements for the reports and deliverables indicated in the TOR. The study outputs shall remain the property of the Client and shall not be used for any purpose other than that intended under these terms of reference without the permission of the Client.

2.5 Bid security

2.5.1 A bid security in the form of a Demand Draft/ Bank Guarantee, from a scheduled Indian Bank in favour of The Managing Director, NICDIT Krishnapatnam Industrial City Development Limited and payable at Mangalagiri, Guntur (Distt.), valid for 180 (one hundred and eighty) days from the PDD, for the sum of Rs 10,00,000/- (Rupees Ten Lakh Only) shall be required to be submitted by each Applicant (“Bid Security”).

2.5.2 The scanned copy of the bid security/transfer details shall be submitted online at the time of submission of bid proposals. The hard copy of the bid security in the form of a Bank Guarantee shall be submitted at the Client’s office before the last date of submission of proposals. Applicants whose bid security is not received by the Client before the last date of submission, their proposals will be rejected.

The details for the online transfer of bid security are as under:

Account Name: NICDIT Krishnapatnam Industrial City Development Limited

Bank Name: Union Bank of India

Type of Account: Current Account

Account Number: 013411100005534

IFSC Code: UBIN0801348

Branch Name: Ring Road Branch, Vijayawada, Krishna Dist. 520008

2.5.3 The client will not be liable to pay any interest on bid security deposits. Bid security of unsuccessful Applicants shall be returned, without any interest, within two months after signing the contract with the Selected Applicant or when the selection process is cancelled by the Client. The Selected Applicant’s Bid Security shall be returned, without any interest upon the Applicant signing the contract and furnishing the Performance Security in accordance with the provision of the RFQ CUM RFP and contract.

2.5.4 Client will be entitled to forfeit and appropriate the bid security as mutually agreed loss and damage payable to Client in regard to the RFQ CUM RFP without prejudice to Client’s any other right or remedy under the following conditions:

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

1. If an Applicant engages in a corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice as envisaged under this RFQ CUM RFP (including the Standard Form of Contract);
2. If any Applicant withdraws its Proposal during the period of its validity as specified in this RFQ CUM RFP and as extended by the Applicant from time to time,
3. In the case of the Selected Applicant, if the Selected Applicant fails to sign the contract or provide the Performance Security within the specified time limit, or
4. If the Applicant commits any breach of terms of this RFQ CUM RFP or is found to have made a false representation to Client.

2.5.5 Performance Security equivalent to the amount indicated in this RFQ CUM RFP shall be furnished before the signing of the contract in the form of a Bank Guarantee in the format specified in the RFQ CUM RFP document.

For the successful bidder, the Performance Security shall be retained by the Client until the completion of the assignment by the Consultant and be released 180 (One Hundred Eighty) days after the completion of the assignment.

2.6 Eligibility of Applicants

2.6.1 The Applicant for participation in the Selection Process may be a single entity or a group of entities (the "Consortium"), coming together to execute the Assignment. However, no applicant applying individually or as a member of a Consortium, as the case may be, can be a member of other consortia bidding for the Assignment.

2.6.2 An Applicant or a member of the Consortium may either be a sole proprietorship firm/ a partnership firm/ a limited liability partnership/ a company incorporated under the Companies Act 1956 or a body corporate incorporated under the applicable laws of its origin.

2.6.3 An Applicant shall not have a conflict of interest that may affect the Selection Process or the Consultancy (the "Conflict of Interest"). Any Applicant found to have a Conflict of Interest shall be disqualified. In the event of disqualification, the Client will forfeit and appropriate the Bid Security as mutually agreed genuine pre-estimated compensation and damages payable to the Client for, inter alia, the time, cost and effort of the Client including consideration of such Applicant's Proposal, without prejudice to any other right or remedy that may be available to the Client hereunder or otherwise. Similar projects to be construed are Detailed Master Planning and Preliminary Engineering etc.

2.6.4 An Applicant shall be deemed to have a Conflict of Interest affecting the Selection Process, if:

1. the Applicant, its consortium member (the "Member") or Associate (or any constituent thereof) and any other Applicant, its consortium member or Associate (or any constituent thereof) have common controlling shareholders or other ownership interest; provided that this disqualification shall not apply in cases where the direct or indirect shareholding or ownership interest of an Applicant, its Member or Associate (or any shareholder thereof having a shareholding of more than 5 per cent of the paid up and subscribed share capital of such Applicant, Member or Associate, as the case may be) in the other Applicant, its consortium member or Associate is less than 5 per cent of the subscribed and paid up equity share capital thereof; provided further that this disqualification shall not apply to any ownership by a bank, insurance company, pension fund or a public financial institution referred to in section 4A of the Companies Act, 1956. For the purposes of this clause, indirect shareholding held through one or more intermediate persons shall be computed as follows: (aa) where any intermediary is controlled by a person through management control or otherwise, the entire shareholding held by such controlled intermediary in any other person (the "Subject Person") shall be taken

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

- into account for computing the shareholding of such controlling person in the Subject Person; and (bb) subject always to sub-clause (aa) above, where a person does not exercise control over an intermediary, which has a shareholding in the Subject Person, the computation of indirect shareholding of such person in the Subject Person shall be undertaken on a proportionate basis; provided, however, that no such shareholding shall be reckoned under this sub-clause (bb) if the shareholding of such person in the intermediary is less than 26 percent of the subscribed and paid-up equity shareholding of such intermediary; or
2. a constituent of such Applicant is also a constituent of another Applicant; or
 3. such Applicant or its Associate receives or has received any direct or indirect subsidy or grant from any other Applicant or its Associate; or
 4. such Applicant has the same legal representative for purposes of this Application as any other Applicant; or
 5. such Applicant has a relationship with another Applicant, directly or through common third parties, that puts them in a position to have access to each others' information about, or to influence the Application of either or each of the other Applicant; or
 6. there is a conflict among this and other consulting assignments of the Applicant (including its personnel and sub-consultants) and any subsidiaries or entities controlled by such Applicant or having common controlling shareholders. The duties of the Consultant will depend on the circumstances of each case. While providing consultancy services to the Client for this particular assignment, the Consultant shall not take up any assignment that by its nature will result in conflict with the present assignment; or
 7. a firm which has been engaged by the Client to provide goods or works or services for a project, and its Associates, will be disqualified from providing consulting services for the same project save and except as per provisions of this RFQ CUM RFP, conversely, a firm hired to provide consulting services for the preparation or implementation of a project, and its Members or Associates, will be disqualified from subsequently providing goods or works or services related to the same project; or
 8. the Applicant, its Member or Associate (or any constituent thereof), and the bidder or Concessionaire, if any, for the Project, its contractor(s) or sub-contractor(s) (or any constituent thereof) have common controlling shareholders or other ownership interest; provided that this disqualification shall not apply in cases where the direct or indirect shareholding or ownership interest of an Applicant, its Member or Associate (or any shareholder thereof having a shareholding of more than 5 percent of the paid up and subscribed share capital of such Applicant, Member or Associate, as the case may be,) in the bidder or Concessionaire, if any, or its contractor(s) or sub-contractor(s) is less than 5 percent of the paid up and subscribed share capital of such Concessionaire or its contractor(s) or sub-contractor(s); provided further that this disqualification shall not apply to ownership by a bank, insurance company, pension fund or a Public Financial Institution referred to in section 4A of the Companies Act, 1956. For the purposes of this sub-clause (h), indirect shareholding shall be computed in accordance with the provisions of sub-clause (a) above.
 9. For purposes of this RFQ CUM RFP, Associate means, in relation to the Applicant, a person who controls, is controlled by, or is under the common control with such Applicant (the "Associate"). As used in this definition, the expression "control" means, with respect to a person which is a company or corporation, the ownership, directly or indirectly, of more than 50 percent of the voting shares of such person, and with respect to a person which is not a company or corporation, the power to direct the management and policies of such person by operation of law or by contract.

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

- 2.6.5 An Applicant eventually appointed to provide Consultancy for this Assignment/ Project, and its Associates, shall be disqualified from subsequently providing consultancy and/or goods, works, services etc. related to the construction and operation of the same Project and any breach of this obligation shall be construed as Conflict of Interest; provided that the restriction herein shall not apply after a period of 2 (two) years from the completion of this Assignment. For the avoidance of doubt, an entity affiliated with the Consultant shall include a partner in the Consultant's firm or a person who holds more than 5 per cent of the subscribed and paid-up share capital of the Consultant, as the case may be, and any Associate thereof.
- 2.6.6 Any entity which has been barred or blacklisted by the Central Government, any State Government, a statutory authority or a public sector undertaking, as the case may be, from participating in any project during the past 5 (Five) years, and the bar subsists as on the date of the Proposal Due Date, would not be eligible to submit a Proposal either by itself or through its Associate.
- 2.6.7 An Applicant or its Associate should have, during the last 3 (three) years, neither failed to perform on any agreement, as evidenced by the imposition of a penalty by an arbitral or judicial authority or a judicial pronouncement or arbitration award against the Applicant or its Associate, nor been expelled from any project or agreement nor have had any agreement terminated for breach by such Applicant or its Associate.
- 2.6.8 In case the Applicant is a Consortium, it shall comply with the following additional requirements:
1. Number of members in a consortium shall not exceed 2 (two);
 2. Subject to the provisions of sub-clause (1) above, the Application should contain the information required for each member of the Consortium;
 3. Members of the Consortium shall nominate one member as the lead member (the "Lead Firm"). The nomination(s) shall be supported by a Power of Attorney, as per the format in this RFQ CUM RFP, signed by all the other members of the Consortium. The duties, responsibilities and powers of such Lead firm shall be specifically included in the joint Bidding Agreement. It is expected that the Lead Firm would be authorized to incur liabilities and to receive instructions and payments for and on behalf of the Consortium.
 4. The Application should include a brief description of the roles and responsibilities of individual members;
 5. An individual Applicant cannot at the same time be a member of a Consortium applying for the Assignment. Further, a member of a particular Applicant Consortium cannot be a member of any other Applicant Consortium applying for the Assignment;
 6. No Change in the composition of the Consortium will be permitted by the Client during the Selection Process and during the subsistence of the contract (in case the successful applicant/ consultant is a consortium).
 7. Members of the Consortium shall enter into a binding Joint Bidding Agreement (the "Jt. Bidding Agreement"), for the purpose of submitting a Proposal. The Jt. Bidding Agreement, to be submitted along with the Application, shall, inter alia:
 - a) clearly outline the proposed roles and responsibilities, if any, of each member;
 - b) include a statement to the effect that all members of the Consortium shall be liable jointly and severally for all obligations of the Consultant in relation to the Assignment until the completion of the Assignment in accordance with the contract and the TOR;
 - c) clearly define the proposed administrative arrangements (organisation chart) for the management and execution of the Assignment, if awarded to the Consortium;
 - d) except as provided under this RFQ CUM RFP, there shall not be any amendment to the Jt. Bidding Agreement without the prior written consent of the Client.

2.7 Preparation of proposal

- 2.7.1 Consultants are requested to submit their Proposal online only and in English language and strictly in the formats provided in this RFQ CUM RFP. The Client will evaluate only those Proposals that are received in the specified forms and complete in all respects.
- 2.7.2 In preparing their Proposal, Consultants are expected to thoroughly examine the RFQ CUM RFP Document. Material deficiencies in providing the information requested may result in the rejection of a Proposal.
- 2.7.3 Technical Proposal: While preparing the Technical Proposal, Consultants must give particular attention to the following:
1. The team leader proposed must be permanent full-time employees of the firm responsible entirely for all the Project related matters. It is desirable that the other key staff be either permanent full-time employees of the firm or have a dedicated full-time contract to work on this project.
 2. If any key staff proposed is not a permanent employee of the Applicant (including in case of a JV, of its members), a certificate from the consultant and key staff must be furnished mentioning his/ her availability for the project. In the absence of such a certificate, his/ her CV will not be evaluated.
 3. The consultant is to ensure that the time allocated for the proposed key staff does not conflict with the time allocated or proposed for any other assignment. The Client reserves the right to request a workload projection (including time spent on other projects/clients) for the key staff.
 4. The composition of the proposed Team and Task Assignment to individual personnel shall be clearly stated.
 5. No such key personnel shall be proposed for any position if the CV of the personnel does not meet the requirements of the TOR.
 6. The key personnel shall remain available for the period as indicated in the RFQ CUM RFP.
 7. No alternative proposal for any key personnel shall be made and only one CV for each position shall be furnished.
 8. Each CV needs to have been recently signed by the key personnel and/or countersigned by the authorized official of the Firm. At the time of submission of the bid proposal, the scanned copies of the signature of key personnel will be allowed but at the time of signing of the contract, the original signature will be required. However, in both cases, an original counter signature of the Authorised signatory shall be required in original.
 9. A CV shall be summarily rejected if the educational qualification of the key personnel proposed does not match the requirement as given in the RFQ CUM RFP.
 10. Client certifications for the projects listed under the experience section. The certifications must confirm the project attributes (size, fee, duration etc) and the scope of work on the projects.
 11. The Applicant should form a Joint Venture/ Consortium with his Associate in case he wants to submit the proposal using the experience/ strength of his Associate.
 12. If the Applicant being a Consortium is qualified on the strength of the experience of a member which is a foreign company/ entity, requisite key personnel from that foreign company/ entity shall be fielded.
 13. The personnel proposed should possess good working knowledge of English Language.
 14. No key personnel involved should have attained the age of 70 (seventy) years at the time of submitting the proposal. The client reserves the right to ask for proof of age, qualification and experience at any stage of the project.
 15. The technical proposal must not include any financial information

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

- 2.7.4 Failure to comply with the requirements spelt out above shall lead to the deduction of marks during the evaluation. Further, in such a case, the Client will be entitled to reject the Proposal.
- 2.7.5 Proposals shall be typed or written in indelible ink and signed by the Authorised Representative of the Applicant who shall initial each page, in blue ink. In the case of printed and published documents, only the cover shall be initialled. All the alterations, omissions, additions, or any other amendments made to the Proposal shall be initialled by the person(s) signing the Proposal. The Proposals must be properly signed by the Authorised Representative (the "Authorised Representative") as detailed below:
1. by the proprietor in the case of a proprietary firm;
 2. by a partner, in the case of a partnership firm and/or a limited liability partnership; or
 3. by a duly authorised person holding the Power of Attorney, in case of a Limited Company or a corporation; or
 4. by the Authorised Representative of the Lead Firm, in case of consortium; and,
 5. Power of Attorney, for the Authorised Representative and or the Lead Firm of the Consortium, if applicable, is executed as per Applicable Laws.
- 2.7.6 Applicants should note the Proposal Due Date (PDD), as specified in the Data Sheet, for submission of Proposals. Except as specifically provided in this RFQ CUM RFP, no supplementary material will be entertained by the Client, and that evaluation will be carried out only on the basis of Documents received by the closing time of the Proposal Due Date as specified in the Data Sheet. Applicants will ordinarily not be asked to provide additional material information or documents subsequent to the date of submission, and unsolicited material if submitted will be summarily rejected. For the avoidance of doubt, the Client reserves the right to seek clarifications in case the proposal is non-responsive in any aspect.
- 2.7.7 The Proposal shall be accompanied by a certified copy of a legally binding Joint Bidding Agreement in case of JV/consortium, in the format provided in this RFQ CUM RFP, signed by all firms/entities confirming the following therein:
1. Date and place of signing
 2. Purpose of JV/Consortium (must include the details of the Services hereunder for which the JV/Consortium has been invited to bid)
 3. A clear and definite description of the proposed administrative arrangements (organisation chart) for the management and execution of the assignment
 4. Delineation of duties/ responsibilities and scope of work to be undertaken by each member along with resources committed by each member of the JV/Consortium for the proposed services
 5. An undertaking that the members of the JV/Consortium are jointly and severally liable to the Client for the performance of the services and
 6. The authorized representative of the JV/Consortium (as approved by a Board resolution of Member-in-Charge).
- The furnishing of this Joint Bidding Agreement to the Client shall not in any manner prejudice the provisions in the contract relating to joint and severe liability of the Members.
- 2.7.8 Similarly, Power of Attorney for both authorised representative and lead member of the JV/Consortium shall also be furnished as per the formats available in the RFQ CUM RFP.
- 2.7.9 A firm can bid for a project either as a sole consultant or in the form of a JV/Consortium with other consultants. The experience of the sub-consultant will not be considered while evaluating the bid.

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

2.7.10 The Pre-Qualification Proposal should provide the following information using the attached Standard Forms:

- i. Details of eligible projects as per the Standard Forms so as to meet the Minimum Qualification Criteria prescribed in this RFQ cum RFP.

2.7.11 The Technical Proposal should provide the following information using the attached Standard Forms.

1. For recent assignments of a similar nature, the outline should indicate, inter alia, the profiles and names of the staff provided, the duration of the assignment, the contract amount, and the firm's involvement.
2. The comments and suggestions provided by the Applicant on the RFQ CUMRFP/ Contract/ TOR are not binding and shall not affect the financial proposal.
3. Detailed Approach and Methodology for undertaking the current Assignment.
4. Against the list of proposed staff, details of tasks assigned to each staff as per his/her experience shall influence the evaluation.
5. Each page of the CV must be signed in original by the Authorised representative together with the original or electronic signature of the key team member at the proposal stage. However, at the time of contract signing, the original signatures of both the authorised representative and the key staff shall be required.
6. The consultant shall make the assessment of support personnel both technical and administrative to undertake the Assignment. Additional support and administrative staff shall be provided as needed for the timely completion of the Assignment within the total estimated cost. Consultants should provide time estimates of key staff as well as support staff in the staffing schedule. It is stressed that the time period for the Assignment indicated in the TOR should be strictly adhered to.
7. Ongoing projects can be submitted with details of progress supported by suitable documents. Projects/ assignments completed up to 80 percent or more shall only be considered for evaluation but marks awarded for such projects shall only be up to 80 percent of maximum marks. The Applicant shall provide proof that the project is completed up to 80 per cent through a copy of the invoice or payment received to date or through a certificate from the respective client.

2.7.12 Financial proposal: While preparing the Financial Proposal, Consultants are expected to take into account the various requirements and conditions stipulated in this RFQ CUM RFP document. The Financial Proposal should be a lump sum Proposal inclusive of all the costs including but not limited to all taxes associated with the Assignment. While submitting the Financial Proposal, the Consultant shall ensure the following:

1. All the costs associated with the Assignment shall be included in the Financial Proposal. These shall normally cover remuneration for all the personnel (Expatriate and Resident, in the field, office, etc), accommodation, airfare, transportation, equipment, printing of documents, secondary and primary data collection, etc. The total amount indicated in the Financial Proposal shall be without any condition attached or subject to any assumption and shall be final and binding. In case any assumption or condition is indicated in the Financial Proposal, it shall be considered non-responsive and liable to be rejected.
2. The Financial Proposal shall take into account all the expenses and tax liabilities and cost of insurance specified in the draft contract, levies and other impositions applicable under the prevailing law on the Consultants, sub-consultants and their staff. For the avoidance of doubt, it is clarified that all taxes, excluding GST, shall be deemed to be included in the cost shown under different items of the Financial Proposal. The Consultant shall be paid only GST over and above the cost of Financial Proposal. Further, all payments shall be subjected to deduction of taxes at source as per Applicable Laws.

Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for Chilamathur Industrial Area in Andhra Pradesh under HBIC Project

- 2.7.13 The proposal should be submitted as per the standard Financial Proposal submission forms prescribed in this RFQ CUM RFP.
- 2.7.14 The financial Proposal shall be divided into professional fee and out of pocket expenses as per forms prescribed in this RFQ CUM RFP. The break-up of remunerations and out of pocket expenses should match the total cost of Financial Proposal.
- 2.7.15 Consultants shall express the price of their services (including break down of their costs) in Indian Rupees.
- 2.7.16 The Consultants may be subjected to local taxes (such as service tax, social charges or income taxes on non-resident foreign personnel, duties, fees, levies etc) on amounts payable by the Client under the Contract. Consultants must do their due diligence about the tax implications and Client will not be liable for any incident.
- 2.7.17 The Proposals must remain valid for a period as specified in the Data Sheet. During this period, the consultant is expected to keep available the professional staff proposed for the assignment. The Client will make its best effort to complete contract signing within this period. If the Client wishes to extend the validity period of the proposals, it may ask the consultants to extend the validity of their proposals for a stated period. Consultants, who do not agree, have the right not to extend the validity of their proposals.

2.8 Submission, receipt and opening of proposals

- 2.8.1 The Proposal shall be prepared in indelible ink. It shall contain no inter-lineation or overwriting, except as necessary to correct errors made by the firm itself. Any such corrections must be initialled by the person or persons who sign(s) the Proposal.
- 2.8.2 The Authorised Representative of the Applicant should initial all pages of Pre-Qualification, Technical and Financial proposal. The Authorised Representative's authorisation should be confirmed by a written power of attorney by the competent authority accompanying the Proposal.
- 2.8.3 The Applicant shall submit the proposals online at the ap-eprocurement portal. Proposals submitted at the client's address manually will be rejected.
- 2.8.4 Proposal submissions:

Particulars	Content	Forms	Remarks
RFQ Proposal	Processing Fee Pre-Qualification Proposal Bid Security	Form: 3A, 3B and 3C, 3D, 3E, 3F, 3G	<ul style="list-style-type: none"> • Processing fee and Bid security in original should be submitted at the client's address before the last date and time of submission. • The original Joint Bidding Agreement, Power of Attorney, for the Authorised Representative and the Lead Firm of the Consortium, if applicable shall also be submitted at the official address along with the processing fee and bid security before the last date and time of

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

			submission. The scanned copies of the same shall be submitted online in the relevant sections of the proposal.
RFP Proposal	Technical Proposal	Form 3H, 3I, 3J, 3K, 3L, 3M, 3N,	
Financial Proposal	Financial proposal	Form: 4A, 4B, 4C, 4D, 4E	

2.8.5 Any proposal received after the closing time for submission will not be accepted.

2.8.6 After the Proposal submission until the contract is awarded, if any Consultant wishes to contact the Client on any matter related to its proposal, it should do so in writing at the Proposal submission address. Any effort by the firm to influence the Client during the Proposal evaluation, Proposal comparison or contract award decisions may result in the rejection of the consultant's proposal.

2.9 Proposal evaluation

2.9.1 As part of the evaluation, the Pre-Qualification Proposal submission shall be checked to evaluate whether the Applicant meets the prescribed Minimum Qualification Criteria. Subsequently, the Technical Proposal submission, for Applicants who meet the Minimum Qualification Criteria (**—Shortlisted Applicants**), shall be checked for responsiveness in accordance with the requirements of the RFQ cum RFP and only those Technical Proposals which are found to be responsive would be further evaluated in accordance with the criteria set out in this RFQ cum RFP document.

2.9.2 Prior to the evaluation of Proposals, the Client will determine whether each Proposal is responsive to the requirements of the RFQ CUM RFP at each evaluation stage as indicated below. The Client may, in its sole discretion, reject any Proposal that is not responsive hereunder. A Proposal will be considered responsive at each stage only if:

RFQ Stage

1. The Pre-Qualification Proposal is received in the form specified in this RFQ cum RFP;
2. it is received by the Proposal Due Date including any extension thereof in terms hereof;
3. It is accompanied by the Processing Fee and bid security as specified in this RFQ cum RFP;
4. It is signed and marked as stipulated in this RFQ cum RFP;
5. It is accompanied by a Joint Bidding Agreement, the Power of Attorney, for the Authorised Representative and the Lead Firm of the Consortium, if applicable;
6. It does not contain any condition or qualification; and
7. It is not non-responsive in terms hereof.

RFP Stage

Technical Proposal

1. The technical Proposal is received in the form specified in this RFQ cum RFP;
2. It is received by the Proposal Due Date including any extension thereof in terms hereof;
3. It is signed and marked as stipulated in this RFQ cum RFP;
4. It is accompanied by a Joint Bidding Agreement, the Power of Attorney, for the Authorised Representative and the Lead Firm of the Consortium, if applicable;
5. It does not contain any condition or qualification; and
6. It is not non-responsive in terms hereof;

Financial Proposal

1. The Financial Proposal is received in the form specified in this RFQ cum RFP;
2. It is signed and marked as stipulated in this RFQ cum RFP;
3. It does not contain any condition or qualification; and
4. It is not non-responsive in terms hereof.

The Client reserves the right to reject any Proposal which is non-responsive and no request for alteration, modification, substitution or withdrawal will be entertained by the Client in respect of such Proposals. However, the client reserves the right to seek clarifications from the applicant during the evaluation process. The Client will subsequently examine and evaluate Proposals in accordance with the Selection Process detailed out below.

2.9.3 As part of the evaluation, the Pre-Qualification Proposals submitted should fulfil the Minimum Qualification Criteria. In case an Applicant does not fulfil the Minimum Qualification Criteria, the Technical Proposal of such an Applicant will not be opened and evaluated further.

2.9.4 **Minimum Qualification Criteria:**

Sl.No	Minimum Qualification Criteria	No. of Projects
a)	Experience in preparation of DPR (Detailed Project Report)/Preliminary Design Report (PDR) for trunk infrastructure of Industrial Areas, Smart City Projects, SEZ's or Urban Infrastructure Projects spread over a minimum 5sq.km area each with capital costs of more than Rs. 300 Crore each on which the construction work has started. Only the experience of the last ten financial years preceding the proposal's due date will be considered.	3
b)	Experience in engineering design of individual projects such as arterial/ collector/ local roads (typically 12m to 70m ROW), Roads & Bridges or utility services (water supply, sewage disposal, drainage network, power supply including Transmission and Distribution network, including treatment plants) with capital costs more than Rs. 100 crores each for Government / Semi-Government Agency or private entity during the last 10 financial years preceding the Proposal Due Date.	3

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

c)	Experience in preparation of Detailed Master Planning of SEZ, Industrial Park, Industrial Area, and Smart City Projects of a similar nature of at least 5 sq. km. each on which construction work has started. Experience of the last ten financial years preceding the Proposal's Due Date will only be considered. At least 1 out of the two projects shall be an international project.	2
d)	Average annual turnover for the last 3 financial years preceding the Proposal's Due Date.	Rs.100 Crore
Projects 'a' 'b' and 'c' shall be collectively referred to as "Eligible Projects". For Eligible Projects, ongoing projects where construction works have commenced can be considered. For 'a', 'b', and 'c', a single project can qualify for all three categories. In that event, it will be counted as one project separately for each category; however, a maximum of one such project shall be admissible.		

Note: In the case of a consortium, the above qualification criteria shall be met by the Joint Venture together.

2.9.5 **Technical Evaluation Criteria:** The evaluation committee ("Evaluation Committee") appointed by the Client will carry out the evaluation of Proposals on the basis of the following evaluation criteria and points system. Each evaluated Proposal will be given a technical score (St) as detailed below. The maximum points/ marks to be given under each of the evaluation criteria are:

Clause	Evaluation Criteria	Points
(a)	<p>Specific experience of the consultants related to the Assignment:</p> <p>The firm should have undertaken/completed 5 nos of similar projects of Master Planning and Preliminary Engineering for various trunk infrastructure components.</p> <p>The said project experience shall comprise at least three different infrastructure components in the last ten years preceding the PDD and will be considered for the purpose of qualification. The infrastructure components that would be considered include:</p> <ul style="list-style-type: none"> • Roads & Bridges • Water supply • Sewerage • Drainage • CETP (Effluent Treatment Plant) • Integrated solid waste management • Power/Energy • ICT Infrastructure • PPP Concessions (if any) <p>The emphasis will be on the relevance of the projects to the assignment, size and nature of the projects i.e. of comparable size, complexity and technical specialty. It includes the preparation of master plans and DPRs/preliminary engineering for industrial estates/townships/ special economic zones / special investment zones/ area development plans</p>	<p>25</p> <p>(Max. of 5 projects to be submitted)</p>

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

	<p>in the last 5 years is also to be submitted.</p> <p>For Eligible Projects, ongoing projects completed to 80 per cent can be considered.</p>	
(b)	<p>Adequacy of the proposed work plan and methodology in response to the TOR (followed by a presentation, if desired by the evaluation committee):</p> <ul style="list-style-type: none"> • Project appreciation and understanding of the assignment • Project approach and methodology • Duties and responsibilities of the team leader and other key personnel • Work plan and manning schedule 	25
(c)	<p>Qualification and competence of the key staff for the Assignment</p>	50

Note: In the case of a consortium, the above technical evaluation criteria shall be met by the Joint Venture together.

The minimum technical score required to qualify for technical evaluation is 70 Points out of 100. A proposal will be considered unsuitable and will be rejected at this stage if it does not respond to important aspects of the RFQ CUM RFP Document and the Terms of Reference or if it fails to achieve the minimum technical score. The Client will notify Applicants who fail to score the minimum technical score about the same and return their Financial Proposals unopened after completing the selection process.

- 2.9.6 The Client will notify the Applicants who secure the minimum qualifying technical score, indicating the date and time set for opening the Financial Proposals. The notification may be sent by registered letter, facsimile, or electronic mail.
- 2.9.7 The Financial Proposals will be opened publicly in the presence of Applicants' representatives who choose to attend. The names of the Applicants, their technical scores and the proposed prices will be read aloud and recorded when the Financial Proposals are opened.
- 2.9.8 Prior to the evaluation of the Financial Proposals, the Evaluation Committee will determine whether the Financial Proposals are complete in all respects, unqualified and unconditional, and submitted in accordance with the terms hereof.
- 2.9.9 The cost indicated in the Financial Proposal shall be deemed as final and reflecting the total cost of services and should be stated in INR only. Omissions, if any, in the costing of any item shall not entitle the Applicant to be compensated and the liability to fulfil its obligations as per the Terms of Reference within the total quoted price shall be that of the Applicant. The evaluation shall exclude those taxes, duties, fees, levies and other charges imposed under the Applicable Law as applicable on foreign and domestic inputs. The lowest Financial Proposal (Fm) will be given a financial score (Sf) of 100 points. The financial scores (Sf) of the other Financial Proposals will be determined using the following formula:

$$Sf = 100 \times Fm/F;$$

in which Sf is the financial score, Fm is the lowest Financial Proposal, and F is the Financial Proposal (in INR) under consideration.

Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for Chilamathur Industrial Area in Andhra Pradesh under HBIC Project

Proposals will finally be ranked in accordance with their combined technical (St) and financial (Sf) scores:

$$S = St \times Tw + Sf \times Fw;$$

where S is the combined score, and Tw and Fw are weights assigned to Technical Proposal and Financial Proposal that will be 0.80:0.20.

The Applicant achieving the highest combined technical and financial score will be considered to be the successful Applicant and will be invited to sign a contract (the "Successful Applicant").

Note: In the case of a consortium, the above criteria shall be met by the Joint Venture together

2.10 Correction of Errors

The Financial Bids of Technically Qualified Applicants will be checked by the Client (NKICDL) for any arithmetic errors. Errors will be corrected by the Client (NKICDL) as follows:

- a) Where there is a discrepancy between the rates in figures and in words, the rate in words will govern; and
- b) Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern.
- c) Whenever there is a difference between the Financial Quote (as submitted by the Applicant) and the corrected value (after arithmetic verification), the lower of the two values will prevail.

2.11 Negotiation

- 2.11.1 The Selected Applicant may, if necessary be invited for negotiations. The negotiations shall generally not be for reducing the price of the Proposal but will be for re-confirming the obligations of the Consultant under this RFQ CUM RFP. Issues such as deployment of Key Personnel, understanding of the Scope of Work, methodology and quality of the work plan shall be discussed during the negotiations. In case, the Selected Applicant fails to reconfirm its commitment, the Client reserves the right to designate the next ranked Applicant as the Selected Applicant and invite it for negotiations.
- 2.11.2 The Client will examine the CVs of all other Key Personnel and those not found suitable shall be replaced by the Applicant to the satisfaction of the Client.
- 2.11.3 The Client will not normally consider substitutions except in cases of incapacity of key personnel for reasons of health. Similarly, after the awarding of the contract, the Client expects all of the proposed key personnel to be available during the implementation of the contract. The Client will not consider substitutions during contract implementation except under exceptional circumstances up to a maximum of two (2) personnel and that too by only equally or better qualified and experienced personnel. During the course of providing services, the substitution of key personnel in excess of two (2) Key Personnel would call for a reduction in the remuneration, which will not exceed 80 (eighty) per cent of the remuneration agreed for the Original Key personnel against first replacement, Thereafter reduction at the rate of 10% of the original quoted rates in respect of each subsequent replacement i.e. 70%, 60% and so on.

2.12 Award of contract

- 2.12.1 After selection, a Letter of Award (the "LOA") will be issued, in duplicate, by the Client to the Successful Applicant and the Successful Applicant shall, within 7 (seven) days

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

of the receipt of the LOA, sign and return the duplicate copy of the LOA in acknowledgement thereof. In the event the duplicate copy of the LOA duly signed by the Successful Applicant is not received by the stipulated date, the Client may, unless it consents to an extension of time for submission thereof, appropriate the Bid Security of such Applicant as mutually agreed on genuine pre-estimated loss and damage suffered by the Client on account of failure of the Successful Applicant to acknowledge the LOA and the next highest ranking Applicant may be considered.

- 2.12.2 Performance Security: Performance Security equivalent to 5 (five) percent of the total cost of the Financial Proposal shall be furnished from a Nationalised/ Scheduled Bank, before the signing of the contract, in the form of a Bank Guarantee in the format specified in Annexure of the contract. For the successful bidder, the Performance Security will be retained by the Client until the completion of the assignment by the Consultant and will be released 180 (One Hundred Eighty) Days after the completion of the assignment.
- 2.12.3 Execution of contract: After acknowledgement of the LOA and furnishing of Performance Security as aforesaid by the Successful Applicant, it shall execute the Agreement within 10 (ten) days from the date of issue of LOA. The Successful Applicant shall not be entitled to seek any deviation in the Agreement.
- 2.12.4 Commencement of Assignment: The Successful Applicant/ Consultant is expected to commence the Assignment on the date of Commencement of Services as prescribed in the General Conditions of Contract. If the Successful Applicant fails to either sign the Agreement or commence the assignment as specified herein, the Client may invite the second-ranked Applicant for contract signing. In such an event, the Bid Security/ Performance Security, as the case may be, of the first ranked Applicant shall be liable to be forfeited by the Client.

2.13 Confidentiality

Information relating to the evaluation of proposals and recommendations concerning awards of the contract shall not be disclosed to the consultants who submitted the proposals or to other persons not officially concerned with the process until the winning firm has been notified that it has been awarded the contract.

2.14 Fraud and Corrupt Practices

- 2.14.1 The Applicants and their respective officers, employees, agents and advisers shall observe the highest standard of ethics during the Selection Process. Notwithstanding anything to the contrary contained in this RFQ CUM RFP, the Client will reject a Proposal without being liable in any manner whatsoever to the Applicant, if it determines that the Applicant has, directly or indirectly or through an agent, engaged in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice (collectively the "Prohibited Practices") in the Selection Process. In such an event, the Client will, without prejudice to its any other rights or remedies, forfeit and appropriate the Bid Security, as mutually agreed genuine pre-estimated compensation and damages payable to the Client for, inter alia, time, cost and effort of the Client, in regard to the RFQ CUM RFP, including consideration and evaluation of such Applicant's Proposal.
- 2.14.2 Without prejudice to the rights of the Client under this Clause, hereinabove and the rights and remedies which the Client may have under the LOA or the Agreement, if an Applicant or Consultant, as the case may be, is found by the Client to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice during the Selection Process, or after the issue of the LOA or the execution of the Agreement, such Applicant or Consultant shall not be eligible to participate in any tender or RFQ CUM RFP issued by the Client during a period of 2 (two) years from the date such Applicant or Consultant, as the case may be, is found by the Client to have directly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice,

coercive practice, undesirable practice or restrictive practice, as the case may be.

2.14.3 For the purposes of this Clause, the following terms shall have the meaning hereinafter respectively assigned to them:

1. "corrupt practice" means (i) the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of any person connected with the Selection Process (for the avoidance of doubt, offering of employment to or employing or engaging in any manner whatsoever, directly or indirectly, any official of the Client who is or has been associated in any manner, directly or indirectly with the Selection Process or the LOA or has dealt with matters concerning the Agreement or arising there from, before or after the execution thereof, at any time prior to the expiry of one year from the date such official resigns or retires from or otherwise ceases to be in the service of the Client, shall be deemed to constitute influencing the actions of a person connected with the Selection Process; or (ii) save as provided herein, engaging in any manner whatsoever, whether during the Selection Process or after the issue of the LOA or after the execution of the Agreement, as the case may be, any person in respect of any matter relating to the Project or the LOA or the Agreement, who at any time has been or is a legal, financial or technical consultant/ adviser of the Client in relation to any matter concerning the Project;
2. "fraudulent practice" means a misrepresentation or omission of facts or disclosure of incomplete facts, in order to influence the Selection Process;
3. "coercive practice" means impairing or harming or threatening to impair or harm, directly or indirectly, any persons or property to influence any person's participation or action in the Selection Process;
4. "undesirable practice" means (i) establishing contact with any person connected with or employed or engaged by the Client with the objective of canvassing, lobbying or in any manner influencing or attempting to influence the Selection Process; or (ii) having a Conflict of Interest; and
5. "Restrictive practice" means forming a cartel or arriving at any understanding or arrangement among Applicants with the objective of restricting or manipulating a full and fair competition in the Selection Process.

2.15 Pre-Bid meeting

2.15.1 Pre-Bid Meeting of the Applicants will be convened at the designated date, time and place. A maximum of two representatives of each Applicant will be allowed to participate in the production of an authorisation letter from the Applicant.

2.15.2 During the course of the Pre-Bid Meeting, the Applicants will be free to seek clarifications and make suggestions for consideration of the Client. The Client will endeavor to provide clarifications and such further information as it may, in its sole discretion, consider appropriate for facilitating a fair, transparent and competitive selection process.

2.16 Miscellaneous

2.16.1 The Selection Process shall be governed by, and construed in accordance with, the laws of India and the Courts within the State of Andhra Pradesh shall have exclusive jurisdiction over all disputes arising under, pursuant to and/or in connection with the Selection Process.

2.16.2 The Client, in its sole discretion and without incurring any obligation or liability, reserves the right, at any time, to:

1. Suspend and/or cancel the Selection Process and/or amend and/or supplement the Selection Process or modify the dates or other terms and conditions relating thereto;
2. Consult with any Applicant in order to receive clarification or further information;
3. Retain any information and/or evidence submitted to the Client by, on behalf of

Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for Chilamathur Industrial Area in Andhra Pradesh under HBIC Project

and/or in relation to any Applicant; and/or

4. Independently verify, disqualify, reject and/or accept any and all submissions or other information and/or evidence submitted by or on behalf of any Applicant.

2.16.3 It shall be deemed that by submitting the Proposal, the Applicant agrees and releases the Client, its employees, agents and advisers, irrevocably, unconditionally, fully and finally from any and all liability for claims, losses, damages, costs, expenses or liabilities in any way related to or arising from the exercise of any rights and/or performance of any obligations hereunder, pursuant hereto and/or in connection herewith and waives any and all rights and/ or claims it may have in this respect, whether actual or contingent, whether present or future.

- 2.16.4 All documents and other information provided by Client or submitted by an Applicant to Client shall remain or become the property of Client. Applicants and the Consultant, as the case may be, are to treat all information as strictly confidential. The client will not return any Proposal or any information related thereto. All information collected, analysed, processed or in whatever manner provided by the Consultant to the Client in relation to the consultancy shall be the property of the Client.

- 2.16.5 The Client reserves the right to make inquiries with any of the clients listed by the Applicants in their previous experience record.

2.17 Tentative schedule for the selection process

The Client will endeavor to follow the following schedule:

Date of issue of RFQ CUM RFP	17-09-2024
Last date for receiving queries/requests for clarifications	23-09-2024
Pre-bid meeting	24-09-2024
Client's response to queries/requests for clarifications	25-09-2024
Proposal Due Date	09-10-2024

Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for Chilamathur Industrial Area in Andhra Pradesh under HBIC Project

2.17.1 Data sheet

Reference	Description
Section 1, Point 1	The main objective of this assignment is to appoint a consultant for the Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for Chilamathur Industrial Area in Andhra Pradesh under the HBIC Project . The detailed descriptions of services are mentioned in the Terms of Reference. Applicants who wish to participate in online bidding will have to procure a digital certificate as per IT Act, 2000 to sign their electronic bids. Offers which are not digitally signed will not be accepted. The applicant shall submit their offer in electronic format on the AP e-procurement portal. Any queries relating to the process of online bid submission or queries relating to the AP e-procurement Portal in general may be directed to the 24x7 Portal Helpdesk.
Section 1, Point 3	The method of selection is Combined Quality Cum Cost Based Selection (CQCCBS).
2.1.1	The name of the Client is: "NICDIT Krishnapatnam Industrial City Development Limited" (NKICDL).
2.1.15	The proposal of the consultant shall be valid for 180 (one hundred and eighty) days from the Proposal Due Date.
2.2	Clarification must be requested on or before 18.09.2024. Applicants shall share the MS Word file in soft copy of pre-bid queries at the time of requesting clarifications. The email address for requesting clarification is: gnagabhushanam@gmail.com
2.2.3	Date & Time of pre-bid meeting – 19.09.2024 at 11.00 am, through VC
2.7.6	The last date of online submission of the Proposal is 04.10.2024 before 3:00 pm (IST).
2.8.3	Consultants must submit: <ul style="list-style-type: none"> • Pre-qualification proposal • Technical proposal • Financial proposal
2.9.9	The consultant is to state the cost in Indian Rupees only. The weights given to technical and financial proposals are: <ul style="list-style-type: none"> • Technical = 0.8 • Financial = 0.2
Section 6, 6.3.1	Duration of project: 16 months including the hand-holding period of 2 months
6.5.4 a	The extent of sub-contracting would be restricted to 30 (thirty) percent of the contract price. The client will be provided by the consultant with particulars (name, financial and technical background, excluding prices) of sub-consultants.

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

Required experience and expertise of Key personnel/ staff

2.17.2 List of minimum key personnel/ staff

- The age of the key staff proposed should not be more than 70 Years on the last day of submission of the proposal.
- The client reserves the right to ask for the details regarding the proof of age, qualification, experience and association of the key staff with the firm.
- Consultants, who are executing ongoing mandates from the Client, must propose a separate team of key staff while bidding for this project.
- The key staff proposed above should be available for presentations/ discussions/ meetings with the Client, and/or State Govt. offices in Andhra Pradesh.
- The consultants are free to make their own estimate of man-months required for effective execution of the project however it is mandated to provide a minimum of 70 man-months for the Key experts. While estimating man months it has been assumed that each expert will be supported by Support Staff.
- The consultants are required to suitably estimate the requirement of support staff to assist key experts.
- A summary of experience (on one page) is to be provided by the consultant for each of the key staff members.

2.17.3 Qualification and competence of key staff

The total number of marks allocated for qualification and competence of the proposed Key Staff is 50 marks, distributed among 14 key personnel, as detailed further:

S. No.	Position	Minimum No. of years of Professional Experience	Specific Expertise
1.	Team Leader	20	<p>Should have a Master's Degree in Engineering or Planning and relevant experience of at least 10 years as project manager or project director for master planning and infrastructure design components of large infrastructure development projects like, SEZ's, Industrial areas, etc.</p> <p>Should have experience of being Team Leader in at least 2 earlier similar projects. It is desirable to have international experience.</p> <p>The Team leader may be from any member of the consortium. He/ She should be a permanent employee of the firm.</p>

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

2.	Senior Urban Planner / Senior Master Planner	15	Should be a Postgraduate in Urban Planning or equivalent degree with relevant experience in master planning of integrated industrial townships, large campuses involving an economic component and mixed housing development. Fully conversant with the local bylaws and regional-level planning norms. Experience in preparation of city-level/township level Development Plans/Master Plans with fair knowledge of infrastructure and utilities. At least 5 out of the 15 years of experience should be international experience in the planning and design of economic clusters or corridors, townships, or campus developments.
3.	Senior Infrastructure Planner/ Engineer	15	Should be a Postgraduate in Infrastructure Planning/ Engineering or a related field with relevant experience in Infrastructure Planning/Designing of Integrated Industrial Townships, large campuses or area development projects. At least 5 out of the 15 years should be international experience in Infrastructure planning and designing of economic clusters or corridors townships or campus developments.
4.	Architect	10	Should be a Graduate/Postgraduate in Architecture with relevant experience in master planning, design of integrated industrial townships, large campuses involving an economic component and mixed housing development. Should possess 8-10 years of experience in the planning and urban design of economic clusters or corridors, townships, or campus developments.
5.	Structural Engineer (Roads and bridges)	15	Should have a Bachelor's degree, preferably a Masters in Structural Engineering with experience of designing foundations and structures for infrastructure projects like roads, highways, and railways. Experience in designing various types of structures and knowledge of the latest construction technology with experience in various structures like building, bridges, bridges, road structures etc. desirable.
6.	Transportation / Roads Expert	15	Should have Master's degree in Highway/Transportation Engineering having experience in planning & designing roads/intersection/ grade separators/ pavement design, parking and other road components for arterial, collector and plot level roads of large townships/ industrial estates.

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

7.	Transportation Planner	15	Should have a master's degree in transportation planning having an experience in short and long range transportation planning, traffic impact assessments, transportation demand modelling and transportation surveys.
8.	Water supply and Waste Water expert	15	Should have a Bachelor's degree in Civil Engineering preferably a Master's degree in Public Health Engineering/Environmental Engineering with experience in planning and designing water supply/wastewater systems for large townships/ industrial estates. Experience in the collection system, pump stations, wastewater recycling & reuse including rainwater harvesting and experience with the latest treatment technologies shall be rated higher.
9.	Power supply expert	15	Bachelor in engineering with experience in designing and implementation of power supply networks and related infrastructure including substations, transmission lines and distribution networks for large integrated township/Industrial area etc. The experience in using the latest technology and software shall be rated higher. Preferred experience in the development of private-public partnership projects pertaining to power distribution/licensing/evacuation.
10.	Financial/Market Expert	10	Should be an MBA (Finance) / Master's degree in Economics with relevant experience in working on financial/market and estimating financial/Economic IRR for large-scale planning and infrastructure projects. Experience in both EPC and PPP projects will be preferred
11.	GIS Expert	10	Should have a Masters in remote sensing/GIS or equivalent with experience in working as a GIS expert in similar projects and should have experience in data interpretation, collation and preparation of Base maps for an assignment of similar scale.

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

12.	Procurement Expert	10	Should have relevant Graduation/ Post Graduation in Project/ Construction Management/Civil Engineering with hands-on experience in the preparation of bid documents, bidding process, assisting in evaluation of bids, agreement drafting (EPC and PPP preferred) and execution, for which the works have been awarded for at least 2 projects. Should have experience and familiarity with national and international competitive bidding procedures including FIDIC.
-----	--------------------	----	---

2.17.4 Evaluation criteria for Key personnel/ staff

SN	Key staff	Marks
1.	Team Leader	10
2.	Senior Urban Planner / Senior Master Planner	6
3.	Senior Infrastructure Planner/ Engineer	6
4.	Architect	4
5.	Structural Engineer (Roads and bridges)	4
6.	Transportation / Roads Expert	3
7.	Transportation Planner	3
8.	Water supply and Wastewater expert	3
9.	Power supply expert	3
10.	Financial/Market Expert	2
11.	GIS Expert	3
12.	Procurement Expert	3
	TOTAL MARKS	50

A.	GENERAL QUALIFICATIONS	20%
A1.	Technical qualifications	10%
A2.	Professional experience	5%
A3.	Training and publications	5%

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

B.	ADEQUACY FOR THE ASSIGNMENT	65%
B1.	Experience in similar capacity/ broad sector	25%
B2.	Experience relevant to TOR/ Assignment	30%
B3.	Overseas/ International experience	10%
C.	FAMILIARITY WITH THE REGION	5%
C1.	Experience in infrastructure projects in India	3%
C2.	Knowledge of local language and culture	2%
D.	ASSOCIATION WITH THE FIRM	10%
D1.	Full-Time permanent staff	6%
D2.	Years of association	4%

Detailed evaluation criteria will be prepared by the evaluation committee for evaluation of the qualification and competence of the key staff for the assignment.

Section 3. Technical Proposal – Standard Forms

Form 3A:	Pre-qualification Proposal Submission Form
Form 3B:	Format for Pre-qualification Proposal (Eligible Projects)
Form 3C:	Format for Pre-qualification Proposal (Average Annual Turnover of Applicant)
Form 3D:	Format for Joint Bidding Agreement (in case of JV/Consortium)
Form 3E:	Format for Power of Attorney for Authorised representative
Form 3F:	Format for Power of Attorney for Lead Member of JV/ Consortium
Form 3G:	Format of Bank Guarantee for Bid Security
Form 3H:	Technical Proposal Submission Form
Form 3I:	Applicants Experience
Form 3J:	Description of Approach, Methodology and Work Plan for Performing the Assignment
Form 3K:	Team Composition and Task Assignments
Form 3L:	Curriculum Vitae (CV) for Proposed Professional Staff (with one page of summary of experience)
Form 3M:	Staffing Schedule
Form 3N:	Work Schedule

Form 3A: Pre-qualification Proposal Submission Form

[Location, Date]

To
Chief Engineer, NKICDL,
The Tender Initiating Authority (TIA),
NICDIT Krishnapatnam Industrial City Development Limited,
1 Floor, IHC Corporate, Plot No. 3,4 & 6, Industrial Park,
Mangalagiri Guntur (Distt.),
Andhra Pradesh-522503

RFQ CUM RFP dated [date] for selection of consultant for [name of assignment]

Dear Sir,

With reference to your RFQ CUM RFP Document dated [date], we, having examined all relevant documents and understood their contents, hereby submit our Technical Proposal for selection as [name of assignment]. The Proposal is unconditional and unqualified.

We are submitting our Proposal as [sole applicant/ JV/Consortium] [with] [insert a list with full name and address of each Joint Venture Consultant].

If negotiations are held during the period of validity of the Proposal, we undertake to negotiate in accordance with the RFQ CUM RFP. Our Proposal is binding upon us, subject only to the modifications resulting from negotiations in accordance with the RFQ CUM RFP.

We understand you are not bound to accept any Proposal you receive.

Further:

1. We acknowledge that the Client will be relying on the information provided in the Proposal and the documents accompanying the Proposal for the selection of the Consultant, and we certify that all information provided in the Proposal and in the supporting documents is true and correct, nothing has been omitted which renders such information misleading, and all documents accompanying such Proposal are true copies of their respective originals.
2. This statement is made for the express purpose of appointment as the Consultant for the aforesaid Project.
3. We shall make available to the Client any additional information it may deem necessary or required for supplementing or authenticating the Proposal.
4. We acknowledge the right of the Client to reject our application without assigning any reason or otherwise and hereby waive our right to challenge the same on any account whatsoever.
5. We certify that in the last 3 (three) years, we have neither failed to perform on any contract, as evidenced by the imposition of a penalty by an arbitral or judicial authority or a judicial pronouncement or arbitration award against the Applicant, nor been expelled from any project or contract by any public authority nor have had any contract terminated by any public authority for breach on our part.
6. We declare that:
 - a) We have examined and have no reservations to the RFQ CUM RFP, including any Addendum issued by the Authority;

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

- b) We do not have any conflict of interest in accordance with the terms of the RFQ CUM RFP;
 - c) We have not directly or indirectly or through an agent engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice, as defined in the RFQ CUM RFP document, in respect of any tender or request for proposal issued by or any agreement entered into with Client or any other public sector enterprise or any government, Central or State; and
 - d) We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice.
7. We understand that you may cancel the selection process at any time and that you are neither bound to accept any Proposal that you may receive nor to select the Consultant, without incurring any liability to the Applicants.
 8. We declare that we are not a member of any other Consortium/JV applying for selection as a Consultant.
 9. We certify that in regard to matters other than the security and integrity of the country, we or any of our affiliates have not been convicted by a court of law or indicted or adverse orders passed by a regulatory authority which would cast doubt on our ability to undertake the Consultancy for the Project or which relates to a grave offence that outrages the moral sense of the community.
 10. We further certify that in regard to matters relating to the security and integrity of the country, we have not been charge-sheeted by any agency of the Government or convicted by a court of law for any offence committed by us or by any of our affiliates. We further certify that neither we nor any of our consortium members have been barred by the central government, any state government, a statutory body or any public sector undertaking, as the case may be, from participating in any project or bid, and that any such bar, if any, does not subsist as on the date of this RFQ CUM RFP.
 11. We further certify that no investigation by a regulatory authority is pending either against us or against our affiliates or against our CEO or any of our Directors/Managers/ employees.
 12. We hereby irrevocably waive any right or remedy which we may have at any stage at law or howsoever otherwise arising to challenge or question any decision taken by Client in connection with the selection of Consultant or in connection with the selection process itself in respect of the above-mentioned Project.
 13. We agree and understand that the proposal is subject to the provisions of the RFQ CUM RFP document. In no case, shall we have any claim or right of whatsoever nature if the consultancy for the Project is not awarded to us or our proposal is not opened or rejected.
 14. In the event of our being selected as the Consultant, we agree to enter into a Contract in accordance with the contract prescribed in the RFQ CUM RFP. We agree not to seek any changes in the aforesaid form and agree to abide by the same.
 15. We have studied RFQ CUM RFP and all other documents carefully. We understand that except to the extent as expressly set forth in the Contract, we shall have no claim, right or title arising out of any documents or information provided to us by Client or in respect of any matter arising out of or concerning or relating to the selection process including the award of consultancy.

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

16. The Financial Proposal is being submitted in a separate cover. This Technical Proposal read with the Financial Proposal shall be binding on us.
17. We agree and undertake to abide by all the terms and conditions of the RFQ CUM RFP Document.

We remain,

Yours sincerely,

Authorized Signature [In full and initials]:

Name and Title of Signatory:

Name of Firm:

Address:

(Name and seal of the Applicant/Member in Charge)

Form 3B: Format for Pre-qualification Proposal (Eligible Projects)

[Using the format below, provide information on each assignment for which your firm, and each associate for this assignment, was legally contracted either individually as a corporate entity or as one of the major companies within a JV for carrying out consulting services similar to the ones requested under this assignment.]

- PROJECT EXPERIENCE WITHOUT THE CLIENT CERTIFICATE WILL NOT BE EVALUATED.
- For Eligible Projects, ongoing projects completed to 80 percent can be considered.

Assignment Name and Project Cost:	Approx. value of the contract (in INR in Crore):
Country: Location within the country:	Duration of assignment (months):
Name of Client:	Total No. of staff-months of the assignment:
Address:	Approx. value of the services provided by your firm under the contract (in INR in Crore):
Start Date (Month/Year): Completion Date (Month/Year):	No. of professional staff – months provided by associated Consultants:
Name of Lead Partner:	Name of the senior professional staff of your firm involved and functions performed (indicate most significant profiles such as Project Director/Coordinator, Team Leader):
Name of Associated Consultants, If any:	
Narrative Description of Project: (highlight project capital cost in the narration)	
Description of actual services provided by your staff within the assignment:	

Firm's Name:

Authorized Signature:

Note: For the purpose of evaluation of Applicants INR 84.00 (INR Eighty Four only) per USD shall be considered as the applicable currency conversion rate. In case of any other currency, the same shall first be converted to USD as on the date 60 (sixty) days prior to the proposal due date and the amount so derived in USD shall be converted into INR at the aforesaid rate. The conversion rate of such currency shall be the daily representative exchange rates published by the IMF for the relevant date.

Please limit the description of the project to four (04) single-sided pages (two double sided pages) A4 size sheet of paper. Descriptions exceeding two A4 size sheets of paper shall not be considered for evaluation.

Form 3C: Format for Pre-qualification Proposal:

(Average Annual Turnover of Applicant)		
SN	Financial years	Revenue from Consultancy Services (INR)
1.	2021-22	
2.	2022-23	
3.	2023-24	
4.	Average Annual Turnover	

Certificate from the Statutory Auditor

This is to certify that [name of company] [registered address] has received the payments shown above against the respective years.

Name of Authorized Signatory

Designation

Name of firm

Signature of Authorized Signatory

Seal of Audit firm

Note:

1. In the case of a consortium, the above form has to be submitted for each consortium member and the Minimum Eligibility Criteria for revenue should be satisfied by all the members combined.
2. In case the Consultant does not have a statutory auditor, it may provide the certificate from its Chartered Accountant.

Form 3D: Format for Joint Bidding Agreement (in case of JV/Consortium)

(To be executed on stamp paper of appropriate value)

THIS JOINT BIDDING AGREEMENT is entered into on this the [date in words] day of [month in words] [year in 'yyyy' format].

AMONGST

1. [Name of company], a company incorporated under the Companies Act, 1956 and having its registered office at [registered address] (hereinafter referred to as the "First Part" which expression shall, unless repugnant to the context include its successors and permitted assigns);

AND,

2. [Name of company], a company incorporated under the Companies Act, 1956 and having its registered office at [registered address] (hereinafter referred to as the "Second Part" which expression shall, unless repugnant to the context include its successors and permitted assigns);

The above-mentioned parties of the [FIRST AND SECOND] PART are collectively referred to as the "Parties" and each is individually referred to as a "Party".

WHEREAS,

- a) NICDIT Krishnapatnam Industrial City Development Limited (NKICDL), a company incorporated under the Companies Act, 1956, having its registered office at 1st Floor, IHC Corporate, Plot No. 3, 4 & 6, IT Park, Mangalagiri Guntur (Distt.), Andhra Pradesh-522503 (hereinafter referred to as the "Authority" which expression shall, unless repugnant to the context or meaning thereof, include its administrators, successors and assigns) has invited proposals ("the Applications") by its Request for Qualification – cum - Request for Proposal No. [number] dated [date] (the "RFQ CUM RFP") for appointment of consultant for [name of assignment] (the "Consultancy").
- b) The Parties are interested in jointly bidding for the Consultancy as members of a Consortium and in accordance with the terms and conditions of the RFQ CUM RFP document and other bid documents in respect of the Consultancy, and
- c) It is a necessary condition under the Consultancy document that the members of the Consortium shall enter into a Joint Bidding Agreement and furnish a copy thereof with the Application.

NOW IT IS HEREBY AGREED as follows:

1. Definitions and interpretations: In this Agreement, the capitalised terms shall, unless the context otherwise requires, have the meaning ascribed thereto under the RFQ CUM RFP.
2. Consortium

Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for Chilamathur Industrial Area in Andhra Pradesh under HBIC Project

- a) The Parties do hereby irrevocably constitute a consortium (the "Consortium") for the purposes of jointly participating in the selection process for the Consultancy.
 - b) The Parties hereby undertake to participate in the Bidding process only through this Consortium and not individually and/or through any other consortium constituted for this Consultancy, either directly or indirectly or through any of their Affiliates.
3. Covenants: The Parties hereby undertake that in the event the Consortium is declared the selected Consultant and awarded the Consultancy, the Parties shall enter into a contract for consultancy services ("Contract") with the Authority and for performing all obligations as the Consultant in terms of the Contract for the Consultancy.
4. Role of the parties: The Parties hereby undertake to perform the roles and responsibilities as described below:
- a) Party of the First Part shall be the Member in Charge of the Consortium and shall have the power of attorney from all Parties for conducting all business for and on behalf of the Consortium during the selection process for the Consultancy and until the Effective Date under the Contract;
 - b) Party of the Second Part shall be [role]; and
5. Joint and Several Liability: The Parties do hereby undertake to be jointly and severally responsible for all obligations and liabilities relating to the Consultancy and in accordance with the terms of the RFQ CUM RFP and the Contract, for the performance of the Contract.
6. Member in charge: Without prejudice to the joint and severe liability of all the Parties, each Party agrees that it shall exercise all rights and remedies under the Contract through the Member in Charge and the Authority shall be entitled to deal with such Member in Charge as the representative of all Members. Each Party agrees and acknowledges that:
- a) any decision (including without limitation, any waiver or consent), action, omission, communication or notice of the Member in Charge on any matters related to the Contract shall be deemed to have been on its behalf and shall be binding on it. The Authority shall be entitled to rely upon any such action, decision or communication from the Member in Charge;
 - b) consolidated invoices for the services in relation to the Consultancy performed by all the Members shall be prepared and submitted by the Member in Charge and the Authority shall have the right to release payments solely to the Member in Charge and the Authority shall not in any manner be responsible or liable for the inter se allocation of payments, works etc. among the Parties;
 - c) any notice, communication, information or documents to be provided to the Consultant shall be delivered to the authorized representative of the Consultant (as designated pursuant to the Contract) and any such notice, communication, information or documents shall be deemed to have been delivered to all the Parties.
7. Representation of the Parties: Each Party represents to the other Parties as of the date of this Agreement that:

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

- a) Such Party is duly organised, validly existing and in good standing under the laws of its incorporation and has all requisite power and authority to enter into this Agreement;
 - b) The execution, delivery and performance by such Party of this Agreement has been authorised by all necessary and appropriate corporate or governmental action and a copy of the extract of the charter documents and board resolution/ power of attorney in favour of the person executing this Agreement for the delegation of power and authority to execute this Agreement on behalf of the Party is annexed to this Agreement, and will not, to the best of its knowledge:
 - (i) require any consent or approval not already obtained;
 - (ii) violate any Applicable Law presently in effect and having applicability to it;
 - (iii) violate the memorandum and articles of association, by-laws or other applicable organisational documents thereof;
 - (iv) violate any clearance, permit, concession, grant, license or other governmental authorisation, approval, judgement, order or decree or any mortgage agreement, indenture or any other instrument to which such Party is a party or by which such Party or any of its properties or assets are bound or that is otherwise applicable to such Party; or
 - (v) create or impose any liens, mortgages, pledges, claims, security interests, charges or Encumbrances or obligations to create a lien, charge, pledge, security interest, encumbrances or mortgage in or on the property of such Party, except for encumbrances that would not, individually or in the aggregate, have a material adverse effect on the financial condition or prospects or business of such Party so as to prevent such Party from fulfilling its obligations under this Agreement;
 - c) this Agreement is the legal and binding obligation of such Party, enforceable in accordance with its terms against it; and
 - d) there is no litigation pending or, to the best of such Party's knowledge, threatened to which it or any of its Affiliates is a party that presently affects or which would have a material adverse effect on the financial condition or prospects or business of such Party in the fulfilment of its obligations under this Agreement.
8. Termination: This Agreement shall be effective from the date hereof and shall continue in full force and effect until the Effective Date under the Contract, in case the Consultancy is awarded to the Consortium. However, in case the Consortium is not selected for award of the Consultancy, the Agreement will stand terminated upon intimation by the Authority that it has not been selected and upon return of the Bid Security by the Authority.
9. Miscellaneous
- a) This Joint Bidding Agreement shall be governed by laws of India.
 - b) The Parties acknowledge and accept that this Agreement shall not be amended by the Parties without the prior written consent of the Authority.

IN WITNESS WHEREOF THE PARTIES ABOVE NAMED HAVE EXECUTED AND
DELIVERED THIS AGREEMENT AS OF THE DATE FIRST ABOVE WRITTEN.

SIGNED, SEALED & DELIVERED

For and on behalf of

MEMBER IN-CHARGE by:

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

[Signature]

[Name]

[Designation]

[Address]

SIGNED, SEALED & DELIVERED

For and on behalf of

SECOND PART by:

[Signature]

[Name]

[Designation]

[Address]

SIGNED, SEALED & DELIVERED

In presence of:

1. [Signature, name and address of witness]
2. [Signature, name and address of witness]

Notes:

1. The mode of the execution of the Joint Bidding Agreement should be in accordance with the procedure, if any, laid down by the Applicable Law and the charter documents of the executant(s) and when it is so required, the same should be under common seal or official seal of all members.
2. Each Joint Bidding Agreement should attach a copy of the extract of the charter documents and documents such as resolution / power of attorney in favour of the person executing this Agreement for the delegation of power and authority to execute this Agreement on behalf of the Consortium Member.
3. For a Joint Bidding Agreement executed and issued overseas, the document shall be legalised by the Indian Embassy and notarized in the jurisdiction where the Power of Attorney has been executed.

Form 3E: Format for Power of Attorney for Authorised representative

Know all men by these presents, We, [name of organization and address of the registered office] do hereby constitute, nominate, appoint and authorise Mr / Ms [name], son/ daughter/ wife of [name], and presently residing at [address], who is presently employed with/ retained by us and holding the position of [designation] as our true and lawful attorney (hereinafter referred to as the "Authorised Representative"), with power to sub- delegate to any person, to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our Proposal for and selection as consultant for [name of assignment], to be developed by NICDIT Krishnapatnam Industrial City Development Limited (the "Authority") including but not limited to signing and submission of all applications, proposals and other documents and writings, participating in pre-bid and other conferences and providing information/ responses to the Authority, representing us in all matters before the Authority, signing and execution of all contracts and undertakings consequent to acceptance of our proposal and generally dealing with the Authority in all matters in connection with or relating to or arising out of our Proposal for the said Project and/or upon award thereof to us until the entering into of the Contract with the Authority.

AND, we do hereby agree to ratify and confirm all acts, deeds and things lawfully done or caused to be done by our said Authorised Representative pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Authorised Representative in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us.

IN WITNESS WHEREOF WE, [name of organization], THE ABOVE-NAMED PRINCIPAL HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS [date in words] DAY OF [month] [year in 'yyyy' format].

For [name and registered address of organization]

[Signature]

[Name]

[Designation]

Witnesses:

1. [Signature, name and address of witness]

2. [Signature, name and address of witness]

Accepted

Signature]

[Name]

[Designation]

[Address]

Notes:

1. The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

executant(s) and when it is so required the same should be under seal affixed in accordance with the required procedure.

2. Wherever required, the Applicant should submit for verification the extract of the charter documents and other documents such as a resolution/power of attorney in favour of the person executing this Power of Attorney for the delegation of power hereunder on behalf of the Applicant.
3. For a Power of Attorney executed and issued overseas, the document will also have to be legalised by the Indian Embassy and notarised in the jurisdiction where the Power of Attorney is being issued. However, the Power of Attorney provided by Applicants from countries that have signed The Hague Legislation Convention, 1961 are not required to be legalised by the Indian Embassy if it carries a conforming Appostille certificate.

Form 3F: Format for Power of Attorney for Lead Member of JV/ Consortium

(To be executed by all members of the Consortium)

Whereas the NICDIT Krishnapatnam Industrial City Development Limited (NKICDL) (the "Authority") has invited proposals from empanelled applicants for the selection of consultant for [name of assignment] being developed under Hyderabad-Bengaluru Industrial Corridor (HBIC) Project, (the "Consultancy").

Whereas, [name of Party], [name of Party] and [name of Party] (collectively the "Consortium") being Members of the Consortium are interested in bidding for the Consultancy in accordance with the terms and conditions of the Request for Proposal and other connected documents in respect of the Consultancy, and

Whereas, it is necessary for the Members of the Consortium to designate one of them as the Member in-charge with all necessary power and authority to do for and on behalf of the Consortium, all acts, deeds and things as may be necessary in connection with the Consortium's bid for the Consultancy and its execution.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS,

We, [name of Party] having our registered office at [registered address], and M/s. [name of Party], having our registered office at [registered address], (hereinafter collectively referred to as the "Principals") do hereby irrevocably designate, nominate, constitute, appoint and authorise M/s [name of Member In-charge], having its registered office at [registered address], being one of the Members of the Consortium, as the Member In-charge and true and lawful attorney of the Consortium (hereinafter referred to as the "Attorney") and hereby irrevocably authorise the Attorney (with power to sub- delegate to any person) to conduct all business for and on behalf of the Consortium and any one of us during the bidding process and, in the event the Consortium is awarded the Contract, during the performance of the services related to the Consultancy, and in this regard, to do on our behalf and on behalf of the Consortium, all or any of such acts, deeds or things as are necessary or required or incidental to the submission of its bid for the Consultancy, including but not limited to signing and submission of all applications, bids and other documents and writings, accept the Letter of Acceptance, participate in bidders' and other conferences, respond to queries, submit information/documents, sign and execute contracts and undertakings consequent to acceptance of the bid of the Consortium and generally to represent the Consortium in all its dealings with the Authority, and/ or any other government agency or any person, in all matters in connection with or relating to or arising out of the Consortium's bid for the Consultancy and/ or upon award thereof until the Contract is entered into with the Authority.

AND hereby agree to ratify and confirm and do hereby ratify and confirm all acts, deeds and things done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us/ Consortium.

IN WITNESS WHEREOF WE THE PRINCIPALS ABOVE NAMED HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS [date in words] DAY OF [month] [year in 'yyyy' format].

SIGNED, SEALED & DELIVERED

For and on behalf of

MEMBER IN-CHARGE by:

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

[Signature]

[Name]

[Designation]

[Address]

SIGNED, SEALED & DELIVERED

For and on behalf of

SECOND PART by:

[Signature]

[Name]

[Designation]

[Address]

SIGNED, SEALED & DELIVERED

In presence of:

1. [Signature, name and address of witness]
2. [Signature, name and address of witness]

Notes:

1. The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required the same should be under common seal or official seal of all members.
2. Wherever required, the Applicant should submit for verification the extract of the charter documents and other documents such as a resolution/power of attorney in favour of the person executing this Power of Attorney for the delegation of power hereunder on behalf of the Applicant.
3. For a Power of Attorney executed and issued overseas, the document will also have to be legalised by the Indian Embassy and notarised in the jurisdiction where the Power of Attorney is being issued. However, the Power of Attorney provided by Applicants from countries that have signed The Hague Legislation Convention, 1961 are not required to be legalised by the Indian Embassy if it carries a conforming Appostille certificate.

Form 3G: Format of Bank Guarantee for Bid Security

BG No.

Date:

1. In consideration of SPV, **NICDIT Krishnapatnam Industrial City Development Limited, represented by Chief Engineer, NKICDL, TIA having its office in Guntur (Distt.)**, (hereinafter referred to as the "Authority" which expression shall, unless repugnant to the context or meaning thereof, include its administrators, successors and assigns) having agreed to receive the proposal of **[Name of company]**, a company registered under the Companies Act, 1956 and having its registered office at [registered address of company], [and acting on behalf of a Consortium comprising of [name of company], [name of company] and [name of company] (hereinafter referred to as the "Bidder" which expression shall unless it be repugnant to the subject or context thereof include its successors and assigns), for appointment as Consultant for [name of assignment] (hereinafter referred to as the "Consultancy") pursuant to the RFQ CUM RFP Document dated [date] issued in respect of the Consultancy and other related documents including without limitation the draft contract for consultancy services (hereinafter collectively referred to as "RFQ CUM RFP Documents"), we [Name of the Bank] having our registered office at [registered address] and one of its branches at [branch address] (hereinafter referred to as the "Bank"), at the request of the Bidder, do hereby in terms of relevant clause of the RFQ CUM RFP Document, irrevocably, unconditionally and without reservation guarantee the due and faithful fulfilment and compliance of the terms and conditions of the RFQ CUM RFP Document by the said Bidder and unconditionally and irrevocably undertake to pay forthwith to the Authority an amount of Rs. [in figures] ([in words]) (hereinafter referred to as the "Guarantee") as our primary obligation without any demur, reservation, recourse, contest or protest and without reference to the Bidder if the Bidder shall fail to fulfil or comply with all or any of the terms and conditions contained in the said RFQ CUM RFP Document.
2. Any such written demand made by the Authority stating that the Bidder is in default of the due and faithful fulfilment and compliance with the terms and conditions contained in the RFQ CUM RFP Document shall be final, conclusive and binding on the Bank. We, the Bank, further agree that the Authority shall be the sole judge to decide as to whether the Bidder is in default of due and faithful fulfilment and compliance with the terms and conditions contained in the RFQ CUM RFP Document including, Document including without limitation, failure of the said Bidder to keep its Proposal valid during the validity period of the Proposal as set forth in the said RFQ CUM RFP Document, and the decision of the Authority that the Bidder is in default as aforesaid shall be final and binding on us, notwithstanding any differences between the Authority and the Bidder or any dispute pending before any court, tribunal, arbitrator or any other authority.
3. We, the Bank, do hereby unconditionally undertake to pay the amounts due and payable under this Guarantee without any demur, reservation, recourse, contest or protest and without any reference to the Bidder or any other person and irrespective of whether the claim of the Authority is disputed by the Bidder or not, merely on the first demand from the Authority stating that the amount claimed is due to the Authority by reason of failure of the Bidder to fulfil and comply with the terms and conditions contained in the RFQ CUM RFP Document including without limitation, failure of the said Bidder to keep its Proposal valid during the validity period of the Proposal as set forth in the said RFQ CUM RFP Document for any reason whatsoever. Any such demand made on the Bank shall be conclusive as regards amount due and payable

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

by the Bank under this Guarantee. However, our liability under this Guarantee shall be restricted to an amount not exceeding Rs. [in figures] ([in words]).

4. This Guarantee shall be irrevocable and remain in full force for a period of 180 (one hundred and eighty) days from the Proposal Due Date and a further claim period of thirty (30) days or for such extended period as may be mutually agreed between the Authority and the Bidder, and agreed to by the Bank, and shall continue to be enforceable until all amounts under this Guarantee have been paid.
5. The Guarantee shall not be affected by any change in the constitution or winding up of the Bidder or the Bank or any absorption, merger or amalgamation of the Bidder or the Bank with any other person.
6. In order to give full effect to this Guarantee, the Authority shall be entitled to treat the Bank as the principal debtor. The Authority shall have the fullest liberty without affecting in any way the liability of the Bank under this Guarantee from time to time to vary any of the terms and conditions contained in the said RFQ CUM RFP Document or to extend time for submission of the Proposals or the Proposal validity period or the period for conveying of Letter of Acceptance to the Bidder or the period for fulfilment and compliance with all or any of the terms and conditions contained in the said RFQ CUM RFP Document by the said Bidder or to postpone for any time and from time to time any of the powers exercisable by it against the said Bidder and either to enforce or forbear from enforcing any of the terms and conditions contained in the said RFQ CUM RFP Document or the securities available to the Authority, and the Bank shall not be released from its liability under these presents by any exercise by the Authority of the liberty with reference to the matters aforesaid or by reason of time being given to the said Bidder or any other forbearance, act or omission on the part of the Authority or any indulgence by the Authority to the said Bidder or by any change in the constitution of the Authority or its absorption, merger or amalgamation with any other person or any other matter or thing whatsoever which under the law relating to sureties would but for this provision have the effect of releasing the Bank from its such liability.
7. Any notice by way of request, demand or otherwise hereunder shall be sufficiently given or made if addressed to the Bank and sent by courier or by registered mail to the Bank at the address set forth herein.
8. We undertake to make the payment on receipt of your notice of claim on us addressed to [Name of bank along with branch address] and delivered at our above branch which shall be deemed to have been duly authorised to receive the said notice of claim.
9. It shall not be necessary for the Authority to proceed against the said Bidder before proceeding against the Bank and the guarantee herein contained shall be enforceable against the Bank, notwithstanding any other security which the Authority may have obtained from the said Bidder or any other person and which shall, at the time when proceedings are taken against the Bank hereunder, be outstanding or unrealised.
10. We, the Bank, further undertake not to revoke this Guarantee during its currency except with the previous express consent of the Authority in writing.
11. The Bank declares that it has power to issue this Guarantee and discharge the obligations contemplated herein, the undersigned is duly authorised and has full power to execute this Guarantee for and on behalf of the Bank.
12. For the avoidance of doubt, the Bank's liability under this Guarantee shall be restricted to Rs. [in figures] ([in words]). The Bank shall be liable to pay the said amount or any part thereof only if the Authority serves a written claim on the Bank in accordance with paragraph 8 hereof, on or before [date].

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

Signed and Delivered by [name of bank]

By the hand of Mr. /Ms. [name], it's [designation] and authorised official.

(Signature of the Authorised Signatory) (Official Seal)

Notes:

- The Bank Guarantee should contain the name, designation and code number of the officer(s) signing the Guarantee.
- The address, telephone number and other details of the Head Office of the Bank as well as of issuing Branch should be mentioned on the covering letter of issuing Branch.

Form 3H: Technical Proposal Submission Form

[Location, Date]

To

Chief Engineer, NKICDL,
The Tender Initiating Authority (TIA),
NICDIT Krishnapatnam Industrial City Development Limited,
1 Floor, IHC Corporate, Plot No. 3,4 & 6, Industrial Park,
Mangalagiri Guntur (Distt.),
Andhra Pradesh-522503

RFQ cum RFP dated [date] for selection of consultant for [name of assignment]

Dear Sir,

With reference to your RFQ cum RFP Document dated [date], we, having examined all relevant documents and understood their contents, hereby submit our Technical Proposal for selection as [name of assignment]. The Proposal is unconditional and unqualified.

We are submitting our Proposal as [sole applicant/ JV/ Consortium] [with] [insert a list with full name and address of each Joint Venture/ Consortium/ Consultant].

If negotiations are held during the period of validity of the Proposal, we undertake to negotiate in accordance with the RFQ cum RFP. Our Proposal is binding upon us, subject only to the modifications resulting from technical discussions in accordance with the RFQ cum RFP.

We understand you are not bound to accept any Proposal you receive.

Further:

1. We acknowledge that NKICDL will be relying on the information provided in the Proposal and the documents accompanying the Proposal for selection of the Consultant, and we certify that all information provided in the Proposal and in the supporting documents is true and correct, nothing has been omitted which renders such information misleading; and all documents accompanying such Proposal are true copies of their respective originals.
2. This statement is made for the express purpose of appointment as the Consultant for the aforesaid Project.
3. We shall make available to NKICDL any additional information it may deem necessary or require for supplementing or authenticating the Proposal.
4. We acknowledge the right of NKICDL to reject our application without assigning any reason or otherwise and hereby waive our right to challenge the same on any account whatsoever.
5. We certify that in the last 3 (three) years, we have neither failed to perform on any contract, as evidenced by imposition of a penalty by an arbitral or judicial authority or a judicial pronouncement or arbitration award against the Applicant, nor been expelled from any project or contract by any public authority nor have had any contract terminated by any public authority for breach on our part.
6. We declare that:
 - a) We have examined and have no reservations to the RFQ cum RFP, including any Addendum issued by the Authority;

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

- b) We do not have any conflict of interest in accordance with the terms of the RFQ cum RFP;
 - c) We have not directly or indirectly or through an agent engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice, as defined in the RFQ cum RFP document, in respect of any tender or request for proposal issued by or any agreement entered into with NKICDL or any other public sector enterprise or any government, Central or State; and
 - d) We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice.
7. We understand that you may cancel the selection process at any time and that you are neither bound to accept any Proposal that you may receive nor to select the Consultant, without incurring any liability to the Applicants.
 8. We declare that we are not a member of any other Consortium/JV applying for selection as a Consultant.
 9. We certify that in regard to matters other than security and integrity of the country, we or any of our affiliates have not been convicted by a court of law or indicted or adverse orders passed by a regulatory authority which would cast a doubt on our ability to undertake the Consultancy for the Project or which relates to a grave offence that outrages the moral sense of the community.
 10. We further certify that in regard to matters relating to security and integrity of the country, we have not been charge-sheeted by any agency of the Government or convicted by a court of law for any offence committed by us or by any of our affiliates. We further certify that neither we nor any of our consortium members have been barred by the central government, any state government, a statutory body or any public sector undertaking, as the case may be, from participating in any project or bid, and that any such bar, if any, does not subsist as on the date of this RFQ cum RFP.
 11. We further certify that no investigation by a regulatory authority is pending either against us or against our affiliates or against our CEO or any of our Directors/ Managers/ employees.
 12. We hereby irrevocably waive any right or remedy which we may have at any stage at law or howsoever otherwise arising to challenge or question any decision taken by NKICDL in connection with the selection of Consultant or in connection with the selection process itself in respect of the above-mentioned Project.
 13. We agree and understand that the proposal is subject to the provisions of the RFQ cum RFP document. In no case, shall we have any claim or right of whatsoever nature if the consultancy for the Project is not awarded to us or our proposal is not opened or rejected.
 14. In the event of our being selected as the Consultant, we agree to enter into a Contract in accordance with the contract prescribed in the RFQ cum RFP. We agree not to seek any changes in the aforesaid form and agree to abide by the same.
 15. We have studied RFQ cum RFP and all other documents carefully. We understand that except to the extent as expressly set forth in the Contract, we shall have no claim, right or title arising out of any documents or information provided to us by NKICDL or in respect of any matter arising out of or concerning or relating to the selection process including the award of consultancy.

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

16. The Financial Proposal is being submitted in a separate cover. This Technical Proposal read with the Financial Proposal shall be binding on us.
17. We agree and undertake to abide by all the terms and conditions of the RFQ cum RFP Document.

We remain,

Yours sincerely,

Authorized Signature [In full and initials]:

Name and Title of Signatory:

Name of Firm:

Address:

(Name and seal of the Applicant/Member in Charge)

Form 3I: Applicant's experience

[Using the format below, provide information on each assignment for which your firm, and each associate for this assignment, was legally contracted either individually as a corporate entity or as one of the major companies within a JV for carrying out consulting services similar to the ones requested under this assignment.]

- Projects without the proof of experience from client will not be considered for evaluation.
- The key parameters like project cost, size, components and nature of assignment should be clearly reflected in the proof of experience provided by the consultant. The proof, without the sufficient information necessary for evaluation, shall not be considered.
- For Eligible Projects, ongoing projects completed to 80 percent can be considered.

Assignment Name and project cost:	Approx. value of the contract (in INR in Crore):
Country: Location within country:	Duration of assignment (months):
Name of Client:	Total No. of staff-months of the assignment:
Address:	Approx. value of the services provided by your firm under the contract (in INR in Crore):
Start Date (Month/Year): Completion Date (Month/Year):	No. of professional staff – months provided by associated Consultants:
Name of Lead Partner:	Name of senior professional staff of your firm involved and functions performed (indicate most significant profiles such as Project Director/Coordinator, Team Leader):
Name of Associated Consultants, If any:	
Narrative Description of Project: (highlight project capital cost in the narration)	
Description of actual services provided by your staff within the assignment:	

Firm's Name:

Authorized Signature:

Note:

For the purpose of evaluation of applicants INR 84.00 (INR Eighty Four only) per USD shall be considered as the applicable currency conversion rate. In case of any other currency the same shall first be converted to USD as on the date 60 days prior to the proposal due date and the amount so derived in USD shall be converted in to INR at the aforesaid rate. The conversion rate of such currency shall be the daily representative exchange rates published by the IMF for the relevant date.

Please limit the description of the project in two A4 size sheet of paper. Descriptions exceeding two A4 size sheets of paper shall not be considered for evaluation.

Form 3J: Description of Approach, Methodology and Work Plan for Performing the Assignment

Project Management and Technical approach with methodology and work plan are key components of the Technical Proposal. The consultant is suggested to present its Technical Proposal divided into the following chapters:

- a) Project Management Approach
 - b) Technical Approach and Methodology,
 - c) Work Plan, and
 - d) Organisation and Staffing.
- **Project Management Approach:** In this section, the consultant shall explain its overall philosophy with project management, the systems, tools and processes used to manage the cost and schedule. Specifically, the consultant must describe how it will organize and deliver the project management tasks/deliverables required in Terms of Reference. Please limit the discussion to four (04) single-sided pages (two double sided pages). Discussions greater than this limit shall not be considered for evaluation.
 - **Technical Approach and Methodology.** In this chapter, the consultant should explain the understanding of the objectives of the assignment, the approach to the services, the methodology for carrying out the activities to obtain the expected output and the degree of detail of such output. The consultant should highlight the problems to be addressed along with their importance and explain the technical approach the consultant would adopt to address them. The consultant should also explain the proposed methodologies to adopt and highlight the compatibility of those methodologies with the proposed approach. Please limit the discussion to 20 single-sided pages (10 double-sided pages). Discussions greater than this limit shall not be considered for evaluation.
 - **Work Plan.** In this chapter, the consultant should propose the main activities of the assignment, their content and duration, phasing and interrelations, milestones (including interim approvals by the Client) and delivery dates of the reports. The proposed work plan should be consistent with the project management and technical approach and methodology, showing an understanding of the TOR and the ability to translate them into a feasible working plan. A list of the final documents, including reports, drawings, and tables to be delivered as final output, should be included here. The work plan should be consistent with the Work Schedule of Form 3O.
 - **Organisation and Staffing.** In this chapter, the consultant should propose the structure and composition of the proposed team. The consultant should list the main disciplines of the assignment, the key expert responsible, and the proposed technical and support staff.

Form 3K: Team Composition and Task Assignments

1. Professional staff¹				
Name of staff	Firm	Area of expertise	Position assigned	Tasks assigned

2. Support Staff				
Name of staff	Firm	Area of expertise	Position assigned	Tasks assigned

¹Consultants, who are executing ongoing mandates with the Client, must propose a separate team of Key Personnel while bidding for this project. The Key Personnel proposed above should be available for presentations/ discussions /meetings with the Client, State Government etc.

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

**Form 3L: Curriculum Vitae (CV) for Proposed Professional Staff (with one page of
summary of experience)**

1.	Proposed position	
2.	Name of firm	
3.	Name of staff	[First] [Middle] [Surname]
4.	Date of birth	
5.	vicinity	
6.	Education	[Indicate college/university and other specialized education of staff member, giving names of institutions, degrees obtained, and year of obtainment starting from the latest degree]
7.	Membership of Professional Organizations	
8.	Training & Publications	[Indicate significant training since education degrees (under 5) were obtained]
9.	Countries of Work Experience	[List countries where staff has worked in the last ten years]

10.	Languages	Language	Proficiency (good/ fair/ poor)		
			Speaking	Reading	Writing
		English			

11.	Employment record [Starting with present position, list in reverse order every employment held by staff member since graduation]	Name of Organization	Position held	Duration
				YYYY to present
12.	Details of tasks assigned			
13.	Work Undertaken that Best Illustrates Capability to Handle the Tasks Assigned	[Among the assignments in which the Staff has been involved, indicate the following information for those assignments that best illustrate staff capability to handle the tasks assigned] Name of assignment or project: Year: Location: Client: Project Cost: Main project features: Positions held: Activities performed:		
14.		Name of assignment or project:		

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

		Year: Location: Client: Project Cost: Main project features: Positions held: Activities performed:
15.	Certification	I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes me, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.

Signature	Signature
Date: [dd/mm/yyyy]	Date: [dd/mm/yyyy]
Name of staff member:	Name of Authorized Signatory:

Note:

Please restrict the number of pages per CV to four (04) pages (two sheets if printed both sides). The one-page summary shall be over and above the four (04) page CV. Pages in the CV greater than these limits shall not be considered for evaluation.

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

Form 3M: Staffing Schedule

S.No.	Name of key staff	Staff input (in the form of a bar chart)							Total staff input
		M1	M2	M3	M4	M5	M6	n	(months)
	Name of support staff								
	Total								

Section 4. Financial Proposal – Standard Forms

- Form 4A: Financial Proposal Submission Form
- Form 4B: Summary of Costs
- Form 4C: Breakdown of Costs
- Form 4D: Breakdown of Remuneration Of key staff
- Form 4E: Breakdown of Out of Pocket Expenses

Form 4A: Financial Proposal Submission Form

[Location]

[Date]

To
Chief Engineer, NKICDL,
The Tender Initiating Authority (TIA),
NICDIT Krishnapatnam Industrial City Development Limited,
1 Floor, IHC Corporate, Plot No. 3,4 & 6, Industrial Park,
Mangalagiri Guntur (Distt.), Andhra Pradesh-522503

Dear Sir,

Subject: Consultancy Services for [name of assignment].

We, the undersigned, offer to provide consulting services for [name of assignment] in accordance with your Request for Qualification – cum - Request for Proposal dated [date] and our Proposal. Our attached Financial Proposal is for the sum of [amount(s) in words and figures].

Our Financial Proposal shall be binding upon us subject to the modifications resulting from arithmetic correction, if any, up to the expiration of the validity period of the Proposal, i.e. [date].

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We understand you are not bound to accept any Proposal you receive.

We remain,

Yours sincerely,

Authorized Signature [In full and initials]:

Name and Title of Signatory:

Name of Firm:

Address:

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

Form 4B: Summary of Costs

Item	Amount in words	Amount in figures Cost (INR)
Costs of Financial Proposal (including all other taxes)		
GST		
Total cost of Financial Proposal (including GST)		

GST would be payable at the applicable rates as may be in force from time to time.

Form 4C Breakdown of Remuneration

Name	Position	Staff-month Rate	Input (Staff-months)	Amount (in Indian Rupees)
Key Staff				
Support Staff				
			Total Costs	

Section 5. Terms of Reference

Background

NICDIT Krishnapatnam Industrial City Development Ltd (NKICDL) is undertaking activities related to the Preparation of Master Planning and Preliminary Engineering for Chilamathur Industrial Area in Satya Sai District in Andhra Pradesh. An area of approximately 2500 acres has been demarcated for the development of the DMIH. The site map is enclosed as Annexure C.

5.1 Aim and objectives of the assignment

5.1.1 The objectives of the assignment are:

1. To review the perspective plan/concept master plan and other available reports and apprise themselves of the theme and concept for the proposed Node which takes into account the unique value proposition, the existing physical characteristics of the site and the current and future market demand as envisaged by the perspective plan.
2. To prepare a demand assessment to establish the industry mix, the range of economic activities, projected population and employment for the identified Economic Node and prepare a detailed financial analysis that together will form the basis for the development program for the detailed master plan.
3. To prepare a detailed master plan including geo-referenced cadastral maps for the identified land area which will include urban design guidelines, plotting plan, landscape design strategy for the master plan, signage guidelines, etc. as per this TOR.
4. Examining the suitability of the identified land and options of land parcels to acquire and make it a block of approximately 2500 Acres.
5. Examining the adequacy of external Infra such as Power, Water, Road, Rail and Port for the proposed land parcel and proposals for improving/creating them. Examining the Gol scheme and suggestions for funding.
6. To prepare a statutory plan for approval by the state town planning department or the relevant local authority as may be applicable.
7. To review the provision of roads and highway structures, structures and all utility services for example, drainage, electricity, gas, ICT, water, sewerage etc. including treatment plants, raw water transmission mains, sewage collection, industrial water and recycled water for flushing, as described in the notified/in principle approved maps, report and in other relevant documents. Develop strategies including sustainability (during and after construction) which will allow for phased construction in accordance with the Client's mandate
8. To prepare a baseline and best practices manual based on various benchmarking studies relevant for the project (including national and international studies).
9. To prepare preliminary engineering design and drawings for roads, highway structures and utility services for the designated area within the identified Economic Node site incorporating strategies for sustainability, value addition and value engineering. To achieve the NKICDL objective of the development of world-class economic nodes and clusters, it is essential that the planning and design for trunk-level infrastructure should meet the best international practices, specifications and standards in terms of quality and sustainability. The development of the Economic Node has been envisioned,

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

conceptualised and planned to meet these quality standards and aspects of sustainability. To ensure that the design and the preliminary engineering is done with the objective of delivering world class trunk infrastructure to global size and scale, it is necessary that the same should comply with the related best international practices, methods, specifications and standards with respect to planning and designing of infrastructure by using internationally accepted standards in respect of this assignment. The consultant should first identify the best practices & then derive and adopt the international standards, specifications which are best suited for translating the vision of NKICDL to reality.

10. Based on financial and technical assessment the consultant shall work out the appropriate implementation structure to be worked out in consultation with the client.
11. To prepare detailed cost estimates and General Abstract as per current SOR of Andhra Pradesh/MoRTH/CPHEEO/CPWD/ guidelines for roads and Structures and assistance in getting Administrative Sanction and Technical Sanction technical schedules of tender and bidding documents for issuing contracts for entire area in package(s), if required.
12. To assist the Client in the process of Administrative Sanction, Technical Sanction, selection of contractor(s), and provide technical assistance to Client during Detailed Design by the contractor(s) ensuring the highest quality standards in implementation.
13. The consultant shall also provide necessary information and prepare documents as per the formats provided by NKICDL for budgetary approvals and fund allocation for project implementation.
14. Financial/Market Analysis: The consultant should undertake a financial analysis of the project, which will also include an estimation of the financial internal rate of returns IRR etc. for the project.

5.2 Broad scope of services

- 5.2.1 The consultant shall perform all works as necessary to fulfil the aim and objectives of the assignment. However, the consultants are free to make their own estimate of man months required for effective execution of the project.
- 5.2.2 For all structural designs and drawings, the consultant, at his own cost, shall get the proof check done by registered/approved structural designer/engineer before submitting for the approval of the client. The cost of proof checking shall be borne by the consultant.
- 5.2.3 The consultancy assignment shall be carried out in the following parallel or overlapping parts as the case may be:

Part A:	Identification of Land
Part B:	Identification of External Infra
Part C:	Project Planning and Scheduling Part
D:	Inception of the Project
Part E:	Technical Assessments, Market Survey and Demand Assessments, and Financial Feasibility Model
Part F:	Preparation of Final Base Map
Part G:	Land Suitability Assessment & Land Zoning Plan
Part H:	Preparation of Concept Master Plan
Part I:	Detailed master planning and Statutory Plan
Part J:	Detailed Zoning and Branding strategy
Part K:	Drawings for Plot control sheets/ plot demarcation drawings, the

Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for Chilamathur Industrial Area in Andhra Pradesh under HBIC Project
development of a GIS database for the plan, and

- Part L: Preliminary Design of roads, drains, highway structures and utility services within the designated area in the identified Economic Node/Cluster of the Industrial Corridor
- Part M: Preparation of detailed cost estimates and General Abstract as per current SOR of Andhra Pradesh/MoRTH/CPHEEO/CPWD/ guidelines for roads and Structures and assistance in getting Administrative Sanction and Technical Sanction.
- Part N: Preparation of tender documents and drawings for selection of contractor(s) and assist Client during the Detailed Design stage.

5.2.4 The consultant shall assist the client in getting the final Master Plan notified by the State Govt. or appropriate Authority as required.

5.3 Detailed scope of services for Part A: Identification of Land

5.3.1 Examining the suitability of the identified land and options of land parcels to acquire and make it a block of approximately 2500 Acres.

5.4 Detailed scope of services for Part B: Identification of External Infra

5.4.1 Examining the adequacy of external Infra such as Power, Water, Road and Rail for the proposed land parcel and proposals for improving/creating them. Examining the Gol scheme and suggestions for funding.

5.5 Detailed scope of services for Part C: Project Planning and Scheduling

5.5.1 The Consultant shall perform all the activities necessary for proper planning, preparation of the Master Plan and Design Basis Report and control of the Consultant's work. Below are some of the typical tasks that are required to be performed by the Consultant:

- 5.5.1.1 Participate in the project kick-off workshop with project stakeholders. The kick-off workshop shall accomplish the following objectives:
- a) common understanding of the project goals and objectives
 - b) align the vision and goals of all project participants toward cooperation and project success.
 - c) define respective roles and responsibilities and
 - d) agree on the methods of communication and reporting throughout the project duration.
- 5.5.1.2 Participate in monthly progress review meetings. The Consultant shall also present a Corrective Action Plan if there are any delays or missed milestones.
- 5.5.1.3 Conduct (1) Constructability Review and (2) Value Engineering session with stakeholders, the details of which would be provided by the Client at a later date. Constructability is part of the design process. Constructability reviews during preliminary design consist of (a) the viability of constructing the design as proposed i.e. can it be built cost-effectively or are there better alternatives (b) ensures incorporation of sustainability during construction (material sourcing,

Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for Chilamathur Industrial Area in Andhra Pradesh under HBIC Project
recycling, water usage, storage etc.) (c) ensures environmental, health and safety practices as per program standards.

5.5.1.4 Work Schedule: The Consultant shall submit within 30 (thirty) days of Award of work, a detailed schedule for the Consultant's scope of work. The schedule should include all the deliverables and key milestones at the top of the schedule.

- a) All schedules shall be created, maintained and submitted to the Client in the latest version of Oracle Primavera P6 or Microsoft Projects in an electronic format.
- b) The Consultant shall create and submit an initial Baseline Schedule that will be approved by Client. Upon approval, the copy of the Baseline will become the first Current Schedule.
- c) The Current schedule shall be actively updated and maintained by the Consultant every month.
- d) All schedules shall follow the Critical Path Method (CPM)/GANT chart of scheduling and shall have meaningful and realistic logical ties and relationships between activities.
- e) The Primavera latest version or Microsoft Projects schedule file should be updated and submitted every fortnight.
- f) Activity durations should be reasonable (typically not more than 30 days, except for project management tasks, procurement activities for long lead items, or any other activity that obviously needs to be of longer duration).
- g) The Consultant shall use only zero or positive total float and lags on all activities in the baseline and all other versions of the schedule.
- h) A schedule narrative document shall accompany the electronic schedule describing work performed in the past month.
- i) List the major tasks completed to date and the planned work that will be performed in the upcoming month.

5.5.1.5 Project Planning during the Handholding Period:

5.5.2 Prepare and submit a Monthly Progress Report along with a GANTT chart, using Microsoft Projects or the latest version of Primavera software during the handholding period.

5.5.3 Payment Application shall be accompanied by monthly progress reports, detailed description of the work performed by the Consultant, monthly progress schedule and any other required proof or documentation that clearly validates the payment request for the work performed.

5.5.4 All payments are subject to timely submission of the monthly progress report and the fortnightly updated electronic schedule file in the required and acceptable format.

5.6 Detailed scope of services for Part D: Inception of the project

5.6.1 The consultant, after Team mobilization, shall prepare and submit an Inception report. The inception report shall spell out clearly the following, but not limited to:

- a) A detailed work schedule as mentioned above
- b) Details of Team mobilization including Key experts and the support team
- c) Details and modes of the survey to be conducted

d) Identification of the data sources

5.7 Detailed scope of services for Part E: Technical Assessments, Market Survey and Demand Assessments, and Financial Feasibility Model

5.7.1 General

5.7.1.1 The Consultant will review the Perspective Plan/concept master plan/other important documents and identify the context under which the Node is proposed to be developed. In carrying out the review the consultant will apprise themselves of the following

- a) The theme and concept for the proposed Node which takes into account the unique value proposition, the existing physical characteristics of the site and the current and future market demand as envisaged by the perspective plan.
- b) Any proposed land use plan or master plan as part of the perspective plan shall be reviewed along with any initial observations related to demand assessments for infrastructure and utilities
- c) Any other related reports developed by other state or central agencies related to external connectivity or trunk infrastructure that may have an impact on the identified Economic Node.
- d) Any initial observations or deviations related to the above shall be highlighted by the consultant as a part of their review report.

5.7.1.2 The Consultant shall conduct an analysis of existing climatic conditions and flora of the region for inputs into the master planning and preliminary design of the demarcated area. Prior to conducting the analysis, the details which are readily and authentically available with reference to fresh scientific parameters, should be checked.

5.7.1.3 The Consultant shall integrate specific measures for the implementation of a sustainable development apart from those stipulated by government regulations. The measures shall include, but not be limited to the following- integrated water management, rainwater harvesting, water reuse, integrated Solid Waste Management plan, use of renewable energy and use of sustainable materials during construction.

5.7.1.4 The Consultant shall conduct an assessment of the existing link infrastructure in the surrounding areas of the site and analyze the availability of water, power, transportation and other relevant services for use of the project and projected demand. Site assessment and related parameters should be checked with the existing available studies, to avoid misconceptions and at the same time, to match the vision of development.

5.7.1.5 The Consultant shall assess the existing planning regulations for ease in implementation of the project. The consultant shall ensure that the project is developed within the overall planning regulations applicable to the site.

5.7.2 Surveys and Investigations

5.7.2.1 The consultant will be responsible for collecting basic information regarding the

Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for Chilamathur Industrial Area in Andhra Pradesh under HBIC Project

site, its surroundings and available infrastructure. NKICDL will facilitate the data regarding land boundaries, topography, and land acquisition including revenue records, contour maps, DGPS and Bench Marks, drone videos, soil investigation reports of proposed development area . Also, the procurement of satellite imagery is the responsibility of the consultant. If additional data is needed, the client will facilitate the consultant in terms of procurement of the data based on specific requests by the consultants.

- 5.7.2.2 The consultant will also collect information on any proposed development projects in the vicinity or development policies that could have an impact on the proposed development program or the proposed master plan for this project
- 5.7.2.3 The Consultant shall assess all the prior site surveys at an early stage. The consultant shall validate the project boundary and demarcation of the site. The Consultant is encouraged to make themselves aware of the prior reports and studies even while submitting the proposal. The Consultant shall conduct a Material survey for materials which are traditionally/ conventionally used to identify the material sources, and sample tests of material properties, approximate lead for transport.
- 5.7.2.4 The Consultant will collect information related to Land use, zoning map as per adopted development plan if any, and shall also carry out a reconnaissance survey of the site area to gauge an overall idea about the terrain, and build up a detailed list/ inventory of existing roads/ culverts/ structures, if any, in the project area for reference purposes. Geotechnical studies and hydraulic & hydrological data will also be available from previous studies.
- 5.7.2.5 The Consultant shall conduct traffic surveys including traffic volume count and origin-destination surveys wherever there is through traffic on the existing network. The Consultant shall assess traffic generated from the development as input into the preliminary design for roads in the demarcated area as per details in the TOR. The ROW in the Site Survey and Finalisation of Maps report cannot be changed, however, the Consultant can suggest changes to lane configurations and update the previous traffic estimates based on the latest survey.
- 5.7.2.6 The Consultant shall use the geotechnical investigations and sub-surface explorations provided by client for proposed bridges/ highway structures over rivers and high embankments.

5.7.3 Technical Assessments

- 5.7.3.1 The Consultant shall assess prior proposals pertaining to the site and the surrounding region and ensure integration of proposals that have been accepted or are under implementation within the planning purview of this project.
- 5.7.3.2 The Consultant shall include an analysis of information collected in the Technical Assessment Report and Design Basis Report as part of this stage of work. Previous reports and studies shall be available for scrutiny of the Applicant prior to the Proposal Due Date at the Client's office. A list of available reports includes "The Overall Perspective Plan for the Region".
- 5.7.3.3 The Consultant shall assess the site in terms of various parameters such as but not limited to topography, vegetation, soil conditions, drainage system, existing village settlements locally called 'Gramakantham' areas and climate. The Consultant shall highlight the learning from this study and demonstrate their usefulness as input to various stages of this assignment in the Technical Assessment Report.

5.7.3.4 The existing situation assessment is to be done as part of the Technical assessment report shall include the following, but not limited to:

1. Review of all existing proposals, sectorial policies, and strategies available
2. Demographic Characteristics
3. Regional Economic base assessment & Economic sector assessment
4. Transport sector assessment
5. Infrastructure and utilities assessment
6. Water resource and water management assessment
7. Geomorphological studies
8. Coastal areas and its management
9. Environment mapping and its assessment
10. Heritage and conservation

5.7.4 Market Survey and Demand Assessment

The consultant shall review the findings of the perspective plan and information related to economic sectors and industry types to carry out a focused market survey and demand assessment specific to the proposed Economic Node. This shall include:

1. A macroeconomic review of the region to assess regional/catchment area and locational strengths and constraints and analyse the investment climate with respect to existing resources and potential sectors that would influence the successful development of the proposed project;
2. Competitor analysis cum SWOT analysis for similar developments in the project area and South India sub-region and Demand Assessment to analyse future development prospects, identify target sectors/markets based on the competitive and comparative advantage to enhance the pace of economic development, and ensure balanced development;
3. Developing the estimate for the likely space demand from the identified target industries for space within the project,
4. Special infrastructure requirements to market the project to targeted companies. Identify services that could help the project, such as retail, community level facilities and so on, or that could exploit location-specific resources;
5. An analysis of the regulatory and policy scenario and institutional mechanism along with the incentives offered by the Central/State Government. In addition, the consultant will identify policy incentives available as per Central and State Government policies for applicable industries;
6. Inventory of existing, ongoing and proposed land use, industry and infrastructure development initiatives in the vicinity of the proposed project area;
7. Development of a product mix to be used as a basis for master planning of the project which will include among other things, a list of industries and activities with land requirements, an estimate of land and building area for commercial, retail, institutional and supporting amenity developments along with an estimate of housing demand by housing type, with numbers for the resident population, and employment estimates.

5.7.5 Development of a financial feasibility model

5.7.5.1 Develop a financial feasibility model by taking into account the proposed

development mix, broad costs for development, broad project structuring, and conducting a sensitivity analysis by taking into account various factors that could impact the development including pricing, income and cost assumptions, EBIDTA cash flows over the project period, and assessment of project returns (NPV, IRR & EIRR).

- 5.7.5.2 Consultant shall evolve project structuring model (EPC/PPP) for implementation through private sector funding/public-private partnership for enhancing the overall viability of the project. The consultant should provide clear recommendations after extensive stakeholder consultations with State Govt./Client/Private developers etc. various options in terms of developing and implementing trunk infrastructure components on the PPP route. The consultant shall suggest the project structuring options by also keeping in mind all the relevant policies and guidelines of Govt. of India/State Govt. and/or any other agency issued from time to time.

5.8 Detailed Scope of Services for Part F: Preparation of Final Base Map

The consultant shall prepare the Final Base map considering the following:

- I. The High-Resolution of 0.5/0.6 M of Geo-eye/Quick Bird or equivalent latest Satellite Imagery will be procured by the consultant from the National Remote Sensing Agency / Space Application Centre Ahmedabad) as per the availability of the data. The cost for the procurement of the satellite imagery shall be borne by the consultant.
- II. Geo-referencing of Satellite images with the revenue maps and verification of the same with the Topographic survey using DGPS / Drone data. Digitization of geo-referenced revenue village maps wherever required.
- III. Preparation of updated base map by superimposition of combined maps over satellite imagery and toposheets.

The Final Base map shall highlight the Existing settlements in the vicinity and within the Site (if any), the Existing road network within and in the vicinity of the Site, Existing physical features such as water bodies, streams, hills/hillocks, rocky areas, Forests etc., Administrative boundaries of villages that fall within the Site, Built up features such as temples/shrines etc.

5.9 Detailed Scope of Services for Part G: Land Suitability Analysis & Zoning Plan

The consultant is required to conduct Land Suitability/drainage analysis using GIS-based parametric analysis. It is required to consider individual parameters such as environment, demography, economy, transport etc. along with multiple sub-parameters under each sector wherever applicable.

The consultant is required to prepare a grid of appropriate scale for the same and parametric values are to be provided for each grid for various factors to arrive at a composite map.

It is required to derive a quantitative assessment for the same for evolving necessary product mix, essential physical, social and transportation networks, environment/ water network and selection of the suitability of the land for the defined product mix.

5.10 Detailed Scope of Services for Part H: Preparation of Concept Master Plan

- 5.10.1 The preparation of a Detailed Master Plan will be preceded by the formulation of key design and development principles for the Master Plan. Among other things, these will include KPIs for sustainable development and smart industrial city development. These principles and KPIs will also become the basis of evaluation for three master plan options to be developed and presented to the client for their consideration and approval of the most suitable option will be done by the Board. Each of the concepts will at a minimum include the following:
- 5.10.1.1 Overall illustrative master plan at a scale of 1:2500 illustrating general delineation of proposed land uses, zoning plan, vehicular and pedestrian circulation, open space relationships, and development character
 - 5.10.1.2 Circulation plan at the level of arterial, sub-arterial and collector street network, including site ingress/egress, vehicular circulation patterns, pedestrian circulation and vehicular parking
 - 5.10.1.3 Broad location, demand, and plots identified for various infrastructure components including but not limited to water, sewerage, effluent, drainage, power, gas and telecommunication infrastructure
 - 5.10.1.4 Preliminary Open Space Plan
 - 5.10.1.5 Preliminary 3D sketches for the design theme and character of the development
 - 5.10.1.6 Land and building area statement with ground coverage, FSI, building mass and bulk metrics on a GIS platform
 - 5.10.1.7 In consultation with the client, assess the three concept master plans using the KPIs and assessment criteria and provide recommendations on the preferred master plan

5.11 Detailed Scope of Services for Part I: Detailed Master Plan and Statutory Plan (along with Notification of the Final Master Plan)

5.11.1 Develop the client-approved master plan option with the following:

- 5.11.1.1 Overall illustrative master plan at a scale of 1:2500 illustrating final delineation of proposed land uses, zoning, vehicular and pedestrian circulation, open space relationships, and development character
- 5.11.1.2 Circulation plan at the level of arterial, sub-arterial and collector street network, including site ingress/egress, vehicular circulation patterns, pedestrian circulation and vehicular parking
- 5.11.1.3 Firm location and plots identified for various infrastructure components including but not limited to water, sewerage, drainage, power, gas and telecommunication infrastructure
- 5.11.1.4 Final open space plan and landscape development strategy
- 5.11.1.5 Up to 5 final high-quality 3D aerial or eye-level renderings for the design theme and character of the development
- 5.11.1.6 Final land and building area statement with ground coverage, FSI, building mass and bulk metrics on a GIS platform

5.11.2 Detailing of the final master plan shall include the following:

- 5.11.2.1 Land use mix and land area allocation for various uses in the form of a land use map with illustrative building footprints and zoning along with tabulation of land areas
- 5.11.2.2 Identification of Right-of-Way for all major utility corridors, transportation networks etc.
- 5.11.2.3 A detailed landscape plan and strategy to be a part of the Final Master Plan.
- 5.11.2.4 Review and present the statutory development control regulations to bring about a cohesive development pattern and design element into the proposed development.

5.11.3 Preparation of the Statutory master plan shall include the following:

- 5.11.3.1 The consultant shall prepare necessary drawings, reports, development control regulations, area statements, and other material as may be necessary for submission of the master plan to the SPV/Special Planning Authority (SPA) or local authority as the case may be for approval of the master plan.
- 5.11.3.2 The consultant shall provide necessary support to the Client in carrying out the due process requirements for the statutory adoption of the master plan.

5.12 Detailed Scope of Services for Part J: Detailed Zoning and Branding Strategy

5.12.1 The preparation of design guidelines and landscape strategy shall include:

- 5.12.1.1 Guidance for development standards for public places – paving, materials, features, characters etc.
- 5.12.1.2 Guidance for the development of street and information signage according to branding guidelines and brand identity material established for the development
- 5.12.1.3 Schematic representation of key design features within the development like gateways, key nodes, junctions, plazas etc. as a guide for development by the clients in the future
- 5.12.1.4 Open space and landscape strategy with typical details for three typologies of landscape – maintained parks and gardens with hardscape, softscape and street/park furniture; basic ground-covered landscape areas with shrubs and planting; natural areas with native vegetation and managed landscapes.

5.13 Detailed Scope of Services for Part K: Drawings for Plot control sheets/ plot demarcation drawings and the development of a GIS database for the plan

General: Plot control sheets or plot demarcation plans shall be developed for each saleable plot identified within the development. This plot control sheet shall serve as a standard supplement to an allotment plan and lease agreement for each plot to be handed over to the tenant. The overall master plan shall be divided into zones and plots shall be numbered in a systematic manner in consultation with the client. The plot control sheets shall typically be A2 or A3 or suitably sized drawing sheets containing information displayed clearly and unambiguously in the format which shall

be approved by the client. The plot control sheets shall include the following minimum information and other details as requested by the client:

- Zone name and identification of the location of the said plot
- Location plan for the plot
- Scaled-up plot plan showing vertices of the plots with suitable coordinates of each vertex in a latitude-longitude format or Northing Easting format as per client instructions
- Key dimensions between vertices
- Set backlines and key development regulations are indicated graphically on the plot control sheet with the intent to provide a summary of regulations at a glance to the tenant.
- Key information about the development parameters for the plot like location and capacity of available utility connections, access control requirements etc. in consultation with the client.
- The consultant shall also develop a GIS database for the entire master plan operable in an ArcGIS 10.0 format. All shapefiles so generated for the master plan shall be georeferenced and correspond to the plot control coordinates and actual ground survey. The GIS database will include key information on each plot pertaining to the area, address, land use, setback requirements, permissible and consumed FAR, and additional fields as may be necessary and indicated by the client to have an operational geodatabase for the management of the development.

5.14 Detailed scope of services for Part L: Preliminary Design of roads, drains, highway structures, and utility services within the designated area

5.14.1 General

5.14.1.1 The intent of this part is to prepare an integrated preliminary engineering design of all roads and utility services within the designated area. The Consultant shall design services for each parcel giving provision for individual connections and metering for each parcel as defined in the Site Survey and Finalisation of Maps report. The Consultant shall refer to previous studies and reports and make reasonable estimates with regards to the land use and population in each parcel and provide but not limited to typical arrangements, numbers, locations and demand for each parcel. The Preliminary Design Report shall form the basis of further works in this assignment.

5.14.1.2 The Consultant shall conduct a roads and utility infrastructure assessment of the site based on the product mix, Site Survey and Finalisation of Maps report. The assessments shall include but not be limited to demand and systems analysis of road networks, drinking water, recycled water, industrial water, power, sewage, stormwater, gas and telecom networks. The systems shall be designed keeping the O&M and ultimate management in perspective. The details include, but not limited to, the following:

Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for Chilamathur Industrial Area in Andhra Pradesh under HBIC Project

- a) Investigate and identify existing and/or proposed traffic and transportation modes existing in the project influence area and vicinity.
 - b) Investigate the availability and capacity of existing utility infrastructure if any.
 - c) Investigate jurisdictional agencies and their standards and requirements (i.e., central, state and local governments, environmental agencies and other relevant agencies).
 - d) Obtain information on preferred local construction materials.
 - e) Establish horizontal and vertical control for mass grading based on available information however, GTS benchmarks are preferred.
 - f) Prepare contour information for the total site. The level of accuracy shall not be less than that of input information.
 - g) Coordinate with local telecommunications/cable companies and provide corridors to accommodate their duct bank system along with the other project support systems.
 - h) Investigate the details pertaining to existing highway structures (if any) (e.g. river crossings) and identify the same.
 - i) Coordinate with local gas supply companies and provide corridors to accommodate the network system along with the other project support systems.
 - j) Coordinate with the Power network company and provide the corridor and space to accommodate the electrical network system.
 - k) Consultant shall coordinate with the stakeholders to study, analyze and if required, further strengthen the water supply, sewage and effluent schemes prepared.
- 5.14.1.3 The Consultant shall coordinate design coordination workshops in order to coordinate the design interface between service connections from adjoining areas. Consultant to incorporate requirements such as below but not limited to:
- a) Accommodating service alignments to treatment plants
 - b) Accommodating discharge capacities in the trunk network from adjoining area
 - c) Accommodating additional capacities in the treatment plants for discharges from adjoining areas
 - d) Pumping infrastructure (if any)
 - e) Flood management measures to be implemented
 - f) Any other requirements generated during coordination meetings for seamless integration of services from adjoining areas
- 5.14.1.4 Interface management: The Consultant shall manage the interface of various services in the designated area and from adjoining areas to ensure seamless integration of services. The Consultant shall also manage the interface of services in case implementation is carried out through multiple contractors.
- 5.14.1.5 The Consultant shall coordinate between various state agencies and other stakeholders in order to incorporate requirements and considerations. The Consultant shall coordinate the preliminary design of roads, highway structures and infrastructure with the design of other elements being carried out by these agencies. The Client intends to carry out detailed design and execution of key

Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for Chilamathur Industrial Area in Andhra Pradesh under HBIC Project

infrastructure such as WTP, STP and CETP by a single agency. The Consultant shall coordinate with agency during the tenure of this assignment.

5.14.1.6 The Consultant shall propose specific measures and engineering design to mitigate any detrimental aspect for all roads and services.

5.14.1.7 The Consultant shall study and consider the implications of such flood management and drainage measures for all roads and services in the designated area.

5.14.1.8 In consultations with the Client and other stakeholders, the Consultant shall assess limitations such as no discharge of treated water, stormwater etc. The Consultant shall make/ leave specific provisions in the preliminary design of services/ utilities addressing such limitations.

5.14.1.9 The Consultants shall evolve the preliminary design using the latest available software and methodologies currently prevailing in the respective sectors of roads and utility service design preferably using Water gems or Mx Roads or equivalent.

5.14.1.10 The Consultant shall provide all the relevant technical specifications as a part of the Preliminary Design Report which will act as a reference for the contractor(s) to carry out Detailed Design activities.

5.14.1.11 The Consultant shall consider the following key aspects regarding sustainability:

- a) Use of waste and manufacturing/ process by-products in construction
- b) Use renewable energy (solar, wind, geothermal etc.)
- c) Use technology that requires less water during the construction of infrastructure
- d) Recycle and reuse of water and waste
- e) Integrated solid waste management and energy recovery from solid waste.
- f) Efficient use and minimize power losses in the power network

5.14.1.12 The Consultant shall prepare the necessary details to carry out site grading analysis as per the master plan in view of the existing drainage system, HFL and other considerations. The Consultant shall use all necessary means of representation at its disposal to convey the intent of such works that shall be based on principles of sustainability including the Site grading analysis to suit the Stormwater Drainage System & flood control.

5.14.2 Design Basis Report

5.14.2.1 The Consultant shall prepare a Design Basis Report for all roads, highway structures and utility services that are part of this assignment. The Consultant shall identify necessary existing conditions, soil conditions, drainage conditions, climatic conditions and usage requirements into consideration while formulating the design

basis for roads and utility services in the designated area.

- 5.14.2.2 As part of the design basis, the Consultant shall assess alternatives wherever applicable incorporating aspects related to sustainability and illustrate methods that will increase the efficiency of the network, potential sourcing of materials, the technology available, technical parameters, phasing of infrastructure and decrease the time required for implementation.
- 5.14.2.3 The Consultant shall ensure that their designs are value-engineered, economised and optimised as far as possible, with respect to ease of construction, construction time, construction cost and life cycle cost. The Consultant shall demonstrate this by developing technically feasible alternative design options in the design basis report, comparing the time and cost of impacts of these options and presenting the same to the client for their approval.
- 5.14.2.4 The Consultant shall also explore strategies to phase various roads during the implementation stage to meet incremental traffic demands. The Consultant shall assess the road cross sections examine the efficiency of the provision of services, and suggest alternatives if required for the road cross section and position of services for efficient implementation operations and maintenance.
- 5.14.2.5 In the case of wet services constituting water supply, sewerage disposal, effluent disposal and drainage, the Consultant shall explore all options aiming towards a recycle-reuse-recharge policy and a zero-discharge principle. The Consultant shall propose strategies for monitoring the network for leaks and minimizing unaccounted-for-water (UFW). The Consultant shall propose methodologies for metering for various land uses and activities in the designated area.

5.14.3 Traffic Demand Assessments

- 5.14.3.1 The Consultant shall estimate traffic projection of the demarcated area by establishing possible traffic growth rates with respect to all categories of vehicles, taking into account but not limited to the past trends, annual population employment, elasticity of transport demand prevailing in the country in relation to income and estimated annual production increase and transportation or other infrastructure projects planned by the state government/central govt. in the near vicinity of the project influence area, which may affect the transport demand of the project area should also be considered. The other aspects including socio-economic development plans and the land use patterns of the region having an impact on the traffic growth, should be studied. Traffic projections should be conversant with development phasing prescribed by the master plan.
- 5.14.3.2 The traffic demand estimates shall be done assuming three basic scenarios i.e. optimistic, pessimistic and most likely traffic growth. The horizon period should converge with that of the Site Survey and Finalisation of the Maps report of the Area, wherein the growth factors may be calculated for groups of five years each till the horizon period.
- 5.14.3.3 The forecasting methodology should arise as an outcome of running a traffic demand model with proper calibration and validation. The assumptions for the model may be substantiated at any stage. The model should be flexible to consider the impact of implementation of any new project/proposal in the near vicinity of the project.
- 5.14.3.4 The overall traffic forecast and other relevant information/ data as may be required

shall form the basis for the design of pavement type and other facilities.

5.14.4 Preliminary design for all roads

- 5.14.4.1 The preliminary design of roads will include but not be limited to the complete layout of the proposed road network as per the agreed cross sections with all the features shown thereon new alignment including interface and other elements of the overall project.
- 5.14.4.2 Typical Road Cross Sections and Road Network layout shall be based on the Site Survey and Finalisation of Maps report recommendations; typical cross sections have been prepared. Consultants have to review, update and revise the road cross sections incorporating the main carriageway, and service road (if required). The road cross sections and layout should be designed with an emphasis on incorporating pedestrians and non-motorised transport movement, public transport and para-transits, public transport routes, segregating/ dedicating lanes for Heavy Occupancy Vehicle (HOV)/ commercial vehicle movement, freight terminals, if any. The road network layout should be designed in a flexible manner so that it can adopt future interventions.
- 5.14.4.3 Pavement Cross Sections: the consultant has to design the pavement cross sections for all categories of roads based on the projected traffic of the demarcated area. The traffic will form the basis for the design of the pavement. The consultant has to advise on suitable pavement types depending on the site conditions and soil CBR. The pavement shall be done strictly based on the provisions of IRC and standards MORTH codes. Pavement shall be designed typically for the repetition of wheel loads in terms of standard axles over a design period as per IRC standards.
- 5.14.4.4 Bridges and culverts shall be designed for IRC loading class 70 R and seismic forces for appropriate zones. All activities related to field studies, preliminary design and documentation shall be done as per the latest guidelines/ circulars of MORTH and relevant publications of the Indian Roads Congress (IRC) and Bureau of Indian Standards (BIS). For aspects not covered by IRC and BIS, international standard practices, such as, British and American Standards may be adopted. The required utility services through the bridges and culverts are to be considered.
- 5.14.4.5 Geometric design: Road geometry should be designed based on IRC guidelines and international codes and also be referred to in case of any missing data. The preliminary design should support the overall drainage of the site. The latest design software such as MX Road has to be used for the same. Design analysis and any other software output have to be shared with the client.
- 5.14.4.6 Drainage design: A detailed preliminary layout of the drainage is to be decided and the same has to be agreed with the client before final submission. This also has to be integrated with the existing drainage around the site if any. The drainage design should be done for all surface and sub-surface drainage including junctions. The existing data on rainfall, flood history, and existing streams all have to be studied in detail before preparing a drainage plan.
- 5.14.4.7 Junction Design: as part of the overall preliminary engineering of the road network, the intersections have to be designed based on traffic projections. Consultants have to identify the best suitable warrants for major intersections in the study area including but not limited to area traffic control systems, signalised intersections, roundabouts, grade-separated interchanges, etc. Consultants have to provide preliminary designs

based on projected traffic for each of the development phases. Consultants should come out with innovative traffic management techniques that help reduce the cost of construction such as state of art area-level traffic signalling systems that increase the traffic handling capacity of intersections.

5.14.4.8 The Consultant shall identify suitable locations for the provision of bus bays, drop-offs and bus shelters on the proposed road network. As far as possible, bus bays shall not be located on horizontal curves, summit of vertical curves and on bridges. Good visibility must be ensured. Further, the bus bays should not be too close to major intersections. The length of each such bus bay shall also be indicated.

5.14.4.9 Apart from the above, the consultant will also have to take up the following as a part of the preliminary design report.

- a) Traffic circulation plan, utility relocation plan and Layout of service road connections, acceleration/ deceleration and sheltered lanes
- b) Planning and layout of protection works like retaining/ toe walls, pre-loading, ground treatment based on geotechnical data, slope protection, bunds, embankments, and drains
- c) Preliminary design of structures like bridges, underpasses, flyovers, pedestrian underpasses/ crossings, and ROBs, indicating the approximate sections and GAD.
- d) Road signing and marking plans, including overhead and variable message signs, Pavement Markings, Safety Barriers, Railings, Delineators, Chevron Markings, Traffic Attenuators and crash barriers.
- e) Overall Circulation and Traffic Management System for the entire site.

5.14.4.10 The alignment design shall be verified for available sight distances as per the standard norms. The provision of appropriate markings and signs shall be made wherever the existing site conditions do not permit adherence to the sight distance requirements as per the standard norms. The requirement for separate climbing lanes along steep gradients for heavy trucks shall be investigated and operational analysis shall be carried out for the provision. International best practices may be referred to, wherever the recommendations are not available as per the Indian codes, and international codes may be referred to.

5.14.4.11 The Consultant shall also prepare details for at-grade junctions, which may be adopted as an alternative to the grade-separated structures/ flyovers/ underpass which may be implemented at a later date. The geometric design of interchanges shall take into account the site conditions, turning movement characteristics, level of service, overall economy and operational safety.

5.14.4.12 The road network including main roads and service roads is to be developed for Industrial Township. The design of geometric elements shall, therefore, take into account the essential requirements of such developments.

5.14.4.13 The design for roads shall take into consideration the provision of the MRT/ LRT/ BRT network in the future.

5.14.4.14 The Consultant shall prepare the preliminary design for landscape works along all roads within the project area such that contractors can be engaged for detailed design and execution. Details of landscape works shall include the following but not limited to:

- a) Plantation scheme and plant palette in median/ green buffer/ green strip along

Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for Chilamathur Industrial Area in Andhra Pradesh under HBIC Project

- roads/ traffic islands/ road embankment
- b) Preliminary design and materials of footpath pavement/ cycle tracks as part of the road cross-sections
 - c) Preliminary design and specifications of street furniture including but not limited to bus stops, drop-offs, seating, street lighting, green areas (hard and soft landscape) etc.
 - d) Preliminary design and specifications of street lighting, footpath lighting etc.
 - e) Any other landscape elements/ components in relation to roads and services/ utilities.
- 5.14.4.15 The design drawings for geometric elements shall cover, but not be limited to the following major heads:
- a) Site layout showing the proposed work (project schematic)
 - b) Typical cross-sections with utility services
 - c) Geometric design drawing of city roads which will include a plan and profile;
 - d) Geometric design drawing of service roads which will include a plan and profile;
 - e) Preparation of junction design;
 - f) Preparation of drainage layout and typical drain details
 - g) Typical details of proposed culverts
 - h) GADs of minor and major bridges and other structures
 - i) Typical details of road protection works
 - j) Road safety design along with the Junction Design including Merging Plan in line with NHAI guidelines.

5.14.5 Preliminary design for potable, industrial and recycled water supply network

- 5.14.5.1 The Consultant shall review/revaluate available Site Survey and Finalisation of Maps reports including norms, schemes etc. in terms of regional aspects and long-term and short-term validity of schemes.
- 5.14.5.2 The Consultant shall study the proposed Water Supply system, and available/ proposed water resources plan and study future plans. Consultant shall also work out the norms and standards required for the services after studying relevant codes, standards, norms and state-level practices in particular CPHEEO manuals.
- 5.14.5.3 The Consultant shall evaluate the quality and quantity of underground and surface water sources at the site, determine adequacy, and recommend the water build-up for each year of development for industrial units, domestic use, institutional requirements, commercial requirements, fire-fighting, wastage, etc. It is anticipated that some of the industrial and irrigation water demand can be met with recycled water. The Consultant shall propose an efficient methodology and design for supplementing the water demand with recycled water. The Consultant shall also determine the water requirements for firefighting purposes and its associated network.
- 5.14.5.4 The Consultant shall design the network required for the supply of potable, recycled water and fire-fighting water for the designated area with DMS and SCADA. The network shall include the design and location of water storage requirements, pumping requirements, standpipes and other such components. The network shall be

designed up to each parcel level. The Consultant needs to keep the potable and non-potable water supply connections to each parcel.

- 5.14.5.5 A water supply scheme has been proposed by the State Nodal Agency for the project area. Based on the proposed water supply scheme the Consultant shall design the water distribution network for the entire project area.
- 5.14.5.6 The Consultant shall propose the capacity and location of the receiving master balancing reservoirs (MBR-R) for treated industrial water inside the designated area. This reservoir will receive the treated industrial water from the Tertiary Treatment Plant (TTP). The consultant shall design the MBR in coordination with the other consultant who will design the industrial water transmission main from the TTP up to the MBR inside the designated area.
- 5.14.5.7 The Consultant shall prepare a staging plan for potable and recycled water systems considering the phase-wise occupancy for the area.
- 5.14.5.8 The preliminary design for potable water network, recycled water network, including fire storage and firefighting network shall include the following but not limited to:
- a) An index plan of the distribution system as a whole, covering the entire area of supply under the proposal with zones demarcated and the location of service reservoirs indicated with relevant hydraulic data. The distribution system should indicate sizes of mains, numbers, locations and capacities of UG/ OH tanks, hydraulic level and other appurtenances proposed in the system.
 - b) Longitudinal section of conveying mains, indicating the location of sluice valves on the main, scour valves, air valves and other appurtenances
 - c) Material of pipes and diameter of pipes
 - d) Designs and general arrangement for MBR and pumping arrangement
 - e) A schematic diagram indicating the levels of the various components of the project.
 - f) Engineering calculations for Storage capacities proposed their elevation and its costs.
 - g) Distribution system with salient features e.g. intermediate OH/ UG tanks, pumping stations, connections, valves etc.
 - h) Hydraulic calculations of distribution and conveying mains.
 - i) The Consultant shall determine location and size of required intermediate lifting stations and prepare hydraulic design, pump house, wet well/ dry well details, pump capacities and power requirement, pumping machinery, suction pipes, rising main, delivery main, indicative civil hydraulic electrical mechanical details, DG sets etc.

5.14.6 Preliminary design for drainage network

- 5.14.6.1 The Consultant shall prepare the stormwater management system for the designated area considering that the flood management system shall be in place at a future date. The Consultant shall propose flood mitigation strategies in the preliminary design of roads and drainage network in the interim before the flood management system is in place.

5.14.6.2 The Consultant shall analyse the data and prepare the preliminary design for the drainage network by:

- a) Considering and freezing of design criteria for the various parameters to design the drainage system
- b) Determine stormwater runoff quantities by dividing the catchment into different zones.
- c) Design and preparation of schematic network

5.14.6.3 As part of the preliminary design of the drainage network, the consultant shall prepare the following but not be limited to:

- a) Prepare preliminary design documents including drawings and outline specifications for required stormwater facilities.
- b) Preliminary design for the stormwater drainage network with pipe diameters/channel dimensions.
- c) Determine the locations and dimensions of the stormwater culverts along the roads.
- d) Determine the outfall points of the stormwater drainage network.
- e) Determine the location and size of stormwater pumping stations, sluice gates/flood control structure at the outfall or at the intermediate level if required
- f) Determine the interconnection with the outside stormwater drainage network
- g) Harvesting of surface runoff and measures to promote groundwater recharge through rainwater harvesting system
- h) Analysis of the SWD system, alignment and position of stormwater drainage along the road giving the details of the size of drains, invert levels of the drains, HFL and road edge level.
- i) Longitudinal Plan for Main Drains
- j) Typical sections of drains, channels etc.
- k) Determine the proposed formation level, stormwater network with internal, peripheral drain and main channel up to discharge point with a table indicating High flood level (HFL), Invert level (IL), Discharge, velocity, and freeboard data.
- l) The Consultant shall determine the location and size of required intermediate lifting stations and prepare hydraulic design, pump house, wet well/ dry well details, pump capacities and power requirement, pumping machinery, suction pipes, rising main, delivery main, indicative civil hydraulic electrical mechanical details, DGsets etc.

5.14.7 Preliminary design for sewerage network, Industrial effluent collection and Effluent disposal network

5.14.7.1 The Consultant shall prepare a preliminary engineering design of sewerage, Industrial effluent collection and effluent disposal network serving the parcels up to the designated location of the treatment plant and disposal point. The network shall be designed such that recycled water can be introduced back into the network

for various types of use. As per national and local norms, the Consultant shall establish treated effluent discharge requirements aiming towards Zero Discharge.

5.14.7.2 The Consultant shall be required to finalize and adopt the following but not limited to, design parameters

- a) Per capita sewage and effluent generation
- b) Peak flow
- c) Minimum and Maximum velocity of flow
- d) Flow conditions for various size of pipes
- e) Material of pipe with pipe matrix analysis
- f) Minimum depth of sewer
- g) Maximum depth in relation to the water table
- h) Infiltration factor
- i) Formula for calculation for design of sewer
- j) Coefficient of various formulas

5.14.7.3 The Consultant shall evaluate the pre-treatment standards for each type of industry before the discharge of their effluent into to trunk collection system to common acceptable level as per national and local standards.

5.14.7.4 The Consultant shall determine location and size of required intermediate lifting stations and prepare hydraulic design, pump house, wet well/ dry well details, pumping machinery, suction pipes, rising main, delivery main, indicative civil hydraulic electrical mechanical details, DG sets etc.

5.14.7.5 The Consultant shall determine the number, size, location and type of required sewage treatment plants (STP) and staging plan for construction of collection and treatment system. The Consultant shall explore various options available for sewage treatment for each type of plant. The Consultant shall prepare the preliminary design for each treatment plant determining the area requirement, technology used, phasing, discharge parameters and other aspects to be used for treatment. The Consultant shall also identify alternate sludge management technologies and options.

5.14.7.6 The Consultant shall design the industrial effluent collection system with the discharge of the collected industrial effluent to the CETP.

5.14.7.7 As part of the preliminary design of sewerage, industrial effluent collection and effluent disposal network, the consultant shall prepare the following but not limited to:

- a) Individual layout plan of networks from parcel to treatment/disposal point showing pumping stations, sump, invert levels and other relevant information
- b) Demand/ Generation calculations and hydraulic design of the individual network with pipe diameter, pipe materials, no of manholes, depth of the manholes etc
- c) Longitudinal Plan of the main network
- d) Typical details of manholes and other ancillary structures,
- e) Outline parameters and GA drawing of treatment plants
- f) Typical plans and sections showing indicative details, materials and specifications

5.14.8 Preliminary design for power supply

- 5.14.8.1 The Consultant shall prepare the preliminary design for the power supply keeping the following but not limited to in perspectives such as safety to personnel, minimum fire hazards and risk, minimizing power losses, reliability of system to the extent possible, ease of maintenance, automatic protection of all electrical equipment through selective relaying system and scope for future expansion.
- 5.14.8.2 The Consultant shall study the existing planning for the EHT and HT transmission network of State Transmission for the entire area and thereafter coordinate the plan for the Substation location. The proposed equipment and preliminary design for the distribution sub-station should be prepared with reference to the load flow analysis taken up by State Transmission prior to finalisation.
- 5.14.8.3 The Consultant shall prepare a load forecast based on plot mix, type of industrial units, and future expansion plans and requirements of power-consuming utilities/facilities. Consultant should clearly specify the overhead and underground transmission network arrangement with respect to voltage level and physical site and ground conditions, in consultation with relevant authorities. The Consultant shall design the network such that integration with ICT network is possible wherever required.
- 5.14.8.4 The Consultant shall plan the following aspects but not limited to:
- a) Planning of Main Receiving Sub Stations (MRSS) and source of electricity within the overall framework of Industrial Area.
 - b) Planning and layout of electricity distribution system, network and internal substations.
 - c) Develop a Utility Profile including demand assessment
 - d) Design an electricity distribution system, which complies with the following but is not limited to relevant regulations, the latest concepts such as Smart Grids, codes of practices and bye-laws.
 - e) Preliminary design of the subheads of the substations and distribution networks.
 - f) Broad construction costs of the recommended option based on preliminary design
 - g) Determine the requirement for standby engine-generation power supplies within the development to support critical loads.
 - h) Prepare general layout of underground electrical high and low voltage power distribution system.
 - i) Develop standards for street lighting to be used throughout development.
- 5.14.8.5 As part of the preliminary design for power supply, the Consultant shall prepare the following but not limited to:
- a) Report on Design norms and Standards, forecasting power demand, network planning, specifications, systems of maintenance and operation
 - b) Details related to HT/LT lines, Grid substation, MSS, ESS Transformer, LT cable, stitch yards feeder pillar etc.
 - c) Illumination level proposed for the particular type of road.
 - d) The arrangement and type of lighting proposed (linear, one side, opposite staggered or central verge) sodium mercury, fluorescent, metal, heads etc.
 - e) Lighting distribution diagram for a particular type of road with the arrangement

- proposed.
- f) Power supply distribution and control arrangement proposed.
- g) Decorative post of lanterns for garden and open areas.

5.14.9 Preparation of Waste Management Plan

5.14.9.1 The Consultant shall cover the following as part of the Waste Management Plan but not limited to:

- a) Characterisation and quantification of solid waste and hazardous waste to be generated during the construction stage and operation stages of the project
- b) Collection, segregation and storage systems of various types of waste generated
- c) Conveyance/ transportation system of various kinds of waste generated.
- d) Revalidate and propose the location (s) of the final storage/ treatment and recycling system.
- e) Preliminary design of the storage facilities, as required.
- f) Identification of the nearest Common Hazardous Waste Transportation, Storage and Disposal Facility (CHWTSDF) for disposal of hazardous waste
- g) Waste management plan shall be in conformance with applicable rules e.g., Municipal Solid Waste Management Rules 2000, Hazardous Waste Management Handling and Trans-boundary Movement Rules 2009, etc

5.14.10 Preliminary design for gas network corridor and telecom ducting network

5.14.10.1 The Consultant shall plan the allocation for the gas corridor and telecom network in the road cross section in the integrated infrastructure layout.

5.14.10.2 The Consultant shall abide by national norms, standards and best practices.

5.14.10.3 The ICT network shall be designed such that includes components serving requirements of roads and all infrastructure such as but not limited to intelligent transportation systems, smart metering systems, SCADA, BRT, traffic signalling etc, coordinated with overall ICT master plan

5.14.10.4 Evaluate the systems for the provision of Information and Communications Technology (ICT) for integrated operations along transport routes with the provision of the following:

- a) Required number of ducts
- b) Empower 24x7 round-the-clock service operations in public, providing information with user privacy and without human intervention and extending points-of-presence
- c) Enable delivery of real-time information to users for better planning
- d) Integration with Multi-modal Transport Schedules
- e) Enablement of Emergency Notifications, Security Analytics and Response measures

Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for Chilamathur Industrial Area in Andhra Pradesh under HBIC Project

- f) Provision for Integrated Billing and Cash-less transactions
- g) Prepare broad cost estimates of the civil, electrical, systems, and ICT requirements
 - both capital as well as operating costs.

5.14.11 Preparation of Cost estimates and BoQ

5.14.11.1 The cost estimates shall be prepared as per provisions of this TOR and as per below. The description of items in the Bill of Quantities should be consistent with the drawings and specifications, and all should lend themselves to harmonious and unambiguous interpretation.

5.14.11.2 The Consultant shall prepare detailed estimates for quantities (considering designs of roads, highway structures and utilities as proposed) and project cost including rate analysis as per the standard data of GoAP as applicable duly adopting GoAP SoR for the entire project (package wise), using local/ state/ applicable schedule of rates. For missing items in the local/ state/ applicable schedule of rates, any other mutually agreeable source(s) may be used. The estimation of quantities shall be based on the preliminary design of various components. The estimation of quantities and costs shall be worked out separately for each component which will be billable as per the stage payment schedule and duly supported by detailed working sheets.

5.14.11.3 The Applicant shall carry out a detailed analysis for computing the unit rates for the different items of work. The unit rate analysis shall duly take into account the various inputs and their basic rates, suggested location of plants and respective lead distances for mechanized construction. The unit rate for each item of work shall be worked out in terms of manpower, machinery and materials duly adopting the standard data of GoAP

5.14.11.4 The project cost estimates so prepared are to be checked against rates for similar ongoing works in the surrounding region with reference to the current State PWD schedule of rates.

5.14.11.5 The Consultant shall prepare BOQ of various components with a breakdown of cost for each component separately. The Consultant may include provisions for physical and price contingencies, interest during construction and other financing costs, pre-construction expenses etc. Cost estimates should be prepared based on item rate analysis and on prevalent market rates in the region. The consultant should perform a rate analysis for all the items in all works.

5.14.11.6 The Consultant shall prepare the Cost estimates and BoQ for the purpose of assistance in the tendering process for the contractor(s) and for the declaration of benchmark value as prescribed under the relevant Government Order (GO). The Consultant shall be responsible for the accuracy of the PDR (Preliminary Design Report) items w.r.t quantity and rates.

5.14.12 Financial Analysis: The consultant should undertake a detailed financial analysis for the project, estimation of financial IRR, EIRR, etc.

5.14.13 **3D Model and Spatial Database**

- 5.14.13.1 All infrastructure, networks and facilities designed by the Consultant as part of this assignment shall be consolidated as part of a spatial database preferably using MS- SQL Server Spatial or Oracle Spatial. Both the 2D and 3D spatial data shall be stored in such spatial database for mapping, modelling and analysis.
- 5.14.13.2 The Consultant shall propose the required specialist modelling software to the Client for facilitating high level modelling analysis. While for transforming such modelled results into engineering layout plan the Consultant shall make use of Autodesk Civil 3D or Map 3D.
- 5.14.13.3 The Consultant shall also prepare a 3D model of all infrastructure designed as part of the assignment. The 3D model shall be developed using Autodesk Revit, Civil 3D, Map 3D and/ or Infracore. The Consultant shall represent all aspects, details, alignments, materials, thicknesses, quantities, levels and measurements as developed in the preliminary design for roads and services. The Consultant shall use the 3D model to demonstrate the efficiency and cost-effectiveness of the design. 3D model data files shall be submitted in 'SDF' file format. Apart from spatial information, the SDF file shall carry attribute information such as but not limited to materials & specifications, pipe diameters, flow data and invert levels.

5.15 Detailed scope of services for Part M: Preparation of tender documents and drawings for selection of contractor(s) and provide assistance to Client during the Detailed Design stage

- 5.15.1 The Consultant shall formulate tender packages. These packages shall be formulated such that all roads, drains and infrastructure works are simultaneously and seamlessly executed at the site along with the works related to electrical works like street lighting, road furniture and landscape. The tender documents shall be designed such that the works can be executed in a minimum timeframe in order to meet the client's expectations.

5.15.2 Preparation of Tender drawings and documents

- 5.15.2.1 The Consultant shall prepare the tender documents, drawings, specifications and schedule of quantities, code of practice covering aspects like mode of measurement, method of payments, quality control procedures and quality assurance procedures on materials and work, special conditions of contract etc.
- 5.15.2.2 The Consultant's scope shall include all relevant information pertaining to preliminary design for roads & services/ utilities such as draft BOQs, analysis of rates, technical specifications and technical data sheets.
- 5.15.2.3 The Consultant shall provide relevant documents for bidding out contracts for single/ multiple packages created for the designated area.
- 5.15.2.4 The Consultant shall provide technical assistance to the Client in selection of contractors for various packages.

5.15.3 Technical support/ handholding during Detailed Design

- 5.15.3.1 The Consultant shall provide all technical assistance in providing any further clarifications, details, designs and drawings required by the contractor(s) during the Detailed Design stage and address any queries raised by the contractor(s) for infrastructure works like roads & services/ utilities. The Consultant shall act as an interface or coordination agency between Client and the contractor(s) during the handholding period for the Detailed Design stage. It is also envisaged that a Programme Manager Consultant (PMC) will be appointed for the node and accordingly, the consultant will do all necessary coordination with the PMC. All deliverables will be submitted to PMC after his appointment and it is the responsibility of the PMC to verify the deliverables and approve the same. For all practical purposes, the PMC will be acting as the client's representative for all day-to-day activities.
- 5.15.3.2 The Consultant shall review and approve detailed design and GFCs prepared by the contractor(s) and ensure that all preliminary design aspects and parameters have been adhered to. The Consultant shall analyse the detailed BoQ prepared by the contractor.

5.15.4 Outline Risk Assessment Study

The RA study will include the following methodology:

- Identification of hazards/risks associated;
- Identification of scenarios;
- Analysis of frequency and consequences of all identified risks;
- Detailed risk analysis to assess the risk levels in relation to risk acceptance criteria; and
- Recommend risk reduction measures and identify high-risk elements to be addressed through the Disaster Management Plan (DMP)

In order to facilitate the Selected Consultant in conducting the studies, NKICDL shall share all the necessary data, reports and other relevant materials in relation to the project.

5.15.5 The scope of services is also inclusive of the following:

- a) Site selection for the proposed Chilamathur Industrial Area as per the guidelines of CPCB's Zoning Atlas for siting of Industries / MoF&CC's "Technical EIA Guidance Manual for Industrial Estate".
- b) Preparation of Zoning Atlas of proposed Chilamathur Industrial Area as per CPCB's / MoEF&CC's guidelines for setting of Industries as per EIA Notification, 2006 and subsequent amendments / CPCB's list of Industries and demarcation of the location / area of such industries on the project layout, Survey of India Toposheet on 1:50, 000 scale.
- c) Preparation of drainage plan of project area / catchment area of Water body including mapping of First & Second order streams. Superimposition of drainage plan on master plan, hydrological study, preparation of land use maps.
- d) Study on Avifauna, Migratory Bird habitat, Natural Habitat of sensitive floral and faunal species of the project area and impact of the project on the same.

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

- e) Social Impact assessment to be carried out by generating primary data and using available secondary data / Census data review, Common property resources classification within project area, livelihood data, public consultations, focussed group discussions, developing baseline socio- economic status of project affected persons etc.
- f) Preparation of Social Impact Assessment Report / Resettlement Action Plan as per the guidelines of The Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013 and meeting requirements of Social Safeguards policy of multilateral funding agencies like World Bank.

5.16 Deliverables and timeframe

5.16.1 All the deliverables as per the list below shall be in the form of 05 (five) hard copies +1 (one) soft copy in MS Word and PDF format for Reports and GIS, AUTOCAD DWG & PDF formats for drawings/ plans and 3D Model. If required, the consultant shall also provide necessary hardware, software and required training to the personnels at Client's office. 3D coordination for BIM Model between all disciplines shall also be achieved by incorporating them in a single model and with Clash detection.

S. No	Milestone	Duration
1	Inception Report and Quality Assurance Plan	D+7 days
2	Market Demand Analysis and Final Base Map	D+15 days
3	Land suitability analysis, land zoning plan and technical assessment report including identification of external infrastructure requirements	D+25 days
4	Preliminary master plan report	D+1 month
5	Final Master plan report and preliminary financial model	D+1.5 months
6	Design basis report including final plot control sheets and notification of Final Master Plan	D+2 months
7	Draft preliminary design report including detailed economic analysis along with costing	D+2.5 months
8	Urban Design/landscaping/branding guidelines	D+3 months
9	Final preliminary design report,	D+4 months
10	3D model & BIM Model	D+5 months
11	Submission of EPC tender documents	D+6 months
12	Selection of EPC contractor	D+8 months
13	Approval of GFC's	D+14 months
14	Handholding and assistance to the Client	D+16 months
D*-Start date of assignment		

Standard Form of Contract

STANDARD FORM OF CONTRACT
CONTRACT FOR CONSULTANCY SERVICES

Between

[Name of client]

[Name of Consultants]

[Date]

I. Form of Contract

Contract to undertake [name of assignment]

This CONTRACT (hereinafter called the "Contract") is made on the [Date in words] day of the month of [month] [year in 'yyyy' format], by and between

The NICDIT Krishnapatnam Industrial City Development Limited (NKICDL), a company incorporated under the Companies Act, 1956, having its Registered Office at 1st Floor, IHC Corporate, Plot No. 3, 4 & 6, IT Park, Mangalagiri Guntur (Distt.), Andhra Pradesh-522503 hereinafter referred to as the "Client" which expression unless repugnant to context or meaning thereof shall include its successors, affiliates and assigns) of the First Part.

and

[Name of Consultants and registered address]

(hereinafter called the "Consultants")

WHEREAS

- a) The Client has requested the Consultants to provide certain consulting services as defined in the General Conditions attached to this Contract (hereinafter called the "Services");
- b) The Consultants, having represented to the Client that they have the required professional skills, personnel and technical resources, have agreed to provide the services on the terms and conditions set forth in this Contract.

NOW THEREFORE the parties hereto hereby agree as follows:

1. The following documents attached hereto shall be deemed to form an integral part of this Contract:

- a) The General Conditions of Contract (hereinafter called "GC");
- b) The Special Conditions of contract (hereinafter called "SC");
- c) The following Appendices:

Appendix A: Terms of reference containing, inter-alia, the Description of the Services and reporting requirements,

Appendix B: Consultants, Sub consultants, Key Personnel and Sub Professional Personnel, Task assignment, work programme, manning schedule, qualification requirements of key personnel and schedule for submission of various deliverables

Appendix C: Approach and Methodology

Appendix D: Duties of the Client

Appendix E: Contract Price

Appendix F: "Conformed Document" which incorporates all the changes, modifications and results of the contract discussion

Appendix G: Copy of Letter of Award

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

Appendix H: Copy of letter of Award/ acceptance by Consultant

Appendix I: Copy of Bank Guarantee for Performance Security

Appendix J: Clarifications

Appendix K: Correspondences

2. The mutual rights and obligations of the Client and the Consultants shall be as set forth in the Contract; in particular:
 - a) The Consultants shall carry out the Services in accordance with the provisions of the Contract; and
 - b) The client will make payments to the Consultants in accordance with the provisions of the Contract.
3. Priority of documents: The Parties expressly agree that in the event of any conflict, inconsistency or contradiction between any clauses forming part of the documents constituting the Contract, and more particularly mentioned in Clause 1 (of this contract) hereinabove, the documents shall be interpreted in the following order of precedence:
 - a) The provisions of this Contract shall override all provisions of other documents comprising the Contract.
 - b) the provisions of the SC shall be subject to the Contract, but shall override all provisions of other documents comprising the Contract;
 - c) the provisions of the GC shall be subject to the Contract SC, but shall take precedence over all other documents comprising the Contract; and
 - d) The appendices shall subject to each of the Contract, SC and GC
 - e) Any decision of the Client in relation to the priority of documents shall be final and binding upon the Consultant

IN WITNESS WHEREOF, the Parties hereto have caused this Contract to be signed in their respective names as of the day and year first above written.

FOR AND ON BEHALF OF Client

[Signature]

[Name]

[Designation]

FOR AND ON BEHALF OF CONSULTANT

[Signature]

[Name]

[Designation]

Witness:

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

1. [Signature, name and address]
2. [Signature, name and address]

II. General Conditions of Contract

6.1 General provisions

6.1.1 Definitions

Unless the context otherwise requires, the following terms whenever used in this Contract have the following meanings:

- a) "Applicable Law" means all laws, bye-laws, rules, regulations, orders, ordinances, protocols, codes, guidelines, policies, notices, directions, judgments, decrees and any other instruments having the force of law in India as they may be issued and in force from time to time;
- b) "Affiliate" means, with respect to any Party, any other entity that, directly or indirectly:
(a) Controls such Party; (b) is Controlled by such Party; (c) is controlled by the same person who, directly or indirectly, Controls such Party; and "Control" with respect to any person, shall mean: (a) the possession, directly or indirectly, of the power to direct or cause the direction of the management and policies of such person whether through the ownership of voting share capital, by agreement or otherwise or the power to elect more than one-half of the directors, partners or other individuals exercising similar authority with respect to such person; (b) the possession, directly or indirectly, of a voting interest of more than 50%; and the terms "Controlling" and "Controlled by" shall be construed accordingly;
- c) "Client" means the Party named in the Contract, who employs the Consultant;
- d) "Consultant" or "Consultants" means the party named in the Contract, who is employed as an independent professional firm by the Client to perform the Services;
- e) "Contract" means the Contract signed by the Parties, to which these General Conditions of Contract (GC) constitute a part, together with all other documents listed in this signed Contract;
- f) "Contract Price" means the price to be paid for the performance of the Services;
- g) "GC" means the General Conditions of Contract;
- h) "Government" means the Government of the Client's country;
- i) "Local Currency" means the currency of the Government;
- j) "Member", in case the Consultants consist of a joint venture of more than one entity, means any of these entities, and "Members" means all of these entities; "Lead Member/Member in Charge" means the entity specified in the SC to act on behalf of Each Member in exercising all the Consultants' rights and obligations towards the Client under this Contract;
- k) "Material Adverse Effect" means material adverse effect on (a) the ability of the Consultant to observe and perform any of its rights and obligations under and in accordance with the provisions of this Agreement and/or (b) the legality, validity, binding nature or enforceability of this Agreement;
- l) Master Services Agreement (MSA) shall mean the same as "contract";
- m) "Party" means the Client or the Consultants, as the case may be, and Parties means both of them;

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

- n) "Performance Security" shall mean the irrevocable and unconditional bank guarantee provided by the Consultant from a scheduled Indian bank as guarantee for the performance of its obligations in respect of the Contract;
 - o) "Personnel" means persons hired by the Consultants or by any Sub-consultant as employees and assigned to the performance of the Services or any part thereof;
 - p) "Project" means "[name of assignment]";
 - q) "SC" means the Special Conditions of Contract by which these General Conditions of the Contract may be amended or supplemented;
 - r) "Services" means the work to be performed by the Consultants pursuant to this Contract as described in TOR;
 - s) "Sub-consultant" means any entity to which the Consultants subcontract any part of the Services in accordance with the provisions of this contract; and,
 - t) "Work Order" means a specific directive or order to perform a defined scope for a defined duration and fee
 - u) "Corrupt Practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the selection process or in contract execution.
 - v) "Fraudulent Practice" means a misrepresentation of facts in order to influence a selection process or the execution of a contract to the detriment of the Client, and includes collusive practice among consultants (prior to or after submission of proposals) designed to establish prices at artificial non-competitive levels and to deprive the Client of the benefits of free and open competition.
 - w) D-Start Date of Assignment is the date the Contract is signed by both the Parties.
- 6.1.2 Law Governing Contract: This Contract, its meaning and interpretation, and the relation between the Parties shall be governed by the Applicable Laws of India and shall be subject to the jurisdiction of the Courts within the State of Andhra Pradesh.
- 6.1.3 Language: This Contract has been executed in the language specified in the SC, which shall be binding and controlling language for all matters relating to the meaning or interpretation of this Contract.
- 6.1.4 Notices: Any notice, request or consent made pursuant to the Contract shall be in writing and shall be deemed to have been made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or when sent by registered mail, telex, telegram or facsimile to such Party at the address specified in the SC.
- 6.1.5 Location: The Services shall be performed at such locations as whether in Country or elsewhere, as the Client may approve.
- 6.1.6 Authorized Representatives: Any action required or permitted to be taken, and any document required or permitted to be executed, under this Contract by the Client or the Consultants may be taken or executed by the officials in the SC.
- 6.1.7 Taxes and Duties: Unless otherwise specified in the SC, the Consultants, Sub-consultants and their Personnel shall pay such taxes, duties, fees and other impositions as may be levied under the Applicable Law, the amount of which is deemed to have been included in the Contract Price.
- 6.1.7.1 The Client shall be entitled to deduct any Taxes required to be deducted at source under Applicable Law from any payments to be made by it to the Consultant. Further,

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

in the event that the Client receives notification or assessment of any Taxes (whether as an agent, or in substitution of the Consultant, any Sub-consultants or its Personnel, servants, agents or otherwise) in respect of or arising out of the performance of the Consultant's obligations under this Agreement which remain outstanding, the Client shall notify the Consultant of the same and the Consultant shall promptly take all necessary action for settlement and/or any other lawful disposal of such notification or assessment. Furthermore, the Consultant shall pay forthwith on demand to the Client all costs including fines and penalties, which the Client may incur as a result of:

- 6.1.7.1.1 the Client having been required by any governmental authority to pay any Taxes which the Consultant is liable to bear hereunder; or
 - 6.1.7.1.2 any cost actually sustained by the Client for failure by the Consultant to pay any Taxes for which it is responsible under this Contract.
- 6.1.8 Interpretation: In the Contract, unless the context otherwise requires:
- 6.1.8.1 The singular includes the plural and vice versa and any word or expression defined in the singular shall have a corresponding meaning if used in the plural and vice versa. A reference to any gender includes the other gender.
 - 6.1.8.2 A reference to any document, agreement, deed or other instrument (including, without limitation, references to the Contract), includes a reference to any document, agreement, deed or other instrument as may be varied, amended, supplemented, restated, novated or replaced, from time to time.
 - 6.1.8.3 A reference to any document, agreement, deed or other instrument (including, without limitation, references to the Contract), means a reference to such document, agreement, deed or other instrument and to all appendices, annexes, schedules and parts attached or relatable thereto, all of which shall form an integral part of such document, agreement, deed or other instrument, as the case may be.
 - 6.1.8.4 A reference to any Applicable Law includes any amendment, modification, re-enactment or change in interpretation or applicability of such Law and a reference to any statutory body or authority includes a reference to any successor as to such of its functions as are relevant in the context in which the statutory body or authority was referred to
 - 6.1.8.5 Where a word or phrase has a defined meaning, any other part of speech or grammatical form in respect of the word or phrase has a corresponding meaning.
 - 6.1.8.6 The words 'include' and 'including' are to be construed without limitation. The terms 'herein', 'hereof', 'hereto', 'hereunder' and words of similar purport refer to the Contract as a whole. Where a wider construction is possible, the words 'other' and 'otherwise' shall not be construed *ejusdem generis* with any foregoing words.
 - 6.1.8.7 In the Contract, headings are for the convenience of reference only and are not intended as complete or accurate descriptions of the content thereof and shall not be used to interpret the provisions of the Contract.
 - 6.1.8.8 Any obligation not to do something shall be deemed to include an obligation not to suffer, permit or cause that thing to be done. An obligation to do something shall be deemed to include an obligation to cause that thing to be done.
 - 6.1.8.9 The rule of interpretation which requires that a Contract be interpreted against the person or Party drafting it shall have no application in the case of this Contract.

6.1.8.10 References to a person (or to a word importing a person) shall be construed so as to include:

- a) Individual, firm, partnership, trust, joint venture, company, corporation, body corporate, unincorporated body, association, organization, any government, or state or any agency of a government or state, or any local or municipal authority or other Governmental Authority (whether or not in each case having separate legal personality);
- b) That person's successors in title and assigns or transferees permitted in accordance with the terms of the Contract; and
- c) References to a person's representatives shall be to its officers, Personnel, legal or other professional advisors, subcontractors, agents, attorneys and other duly authorized representatives.

6.2 Joint and Several Liability: Collective action by Members

6.2.1 In the event the Consultant is a joint venture consortium, the Members shall be deemed to be jointly and severally liable to the Client for the performance of this Contract. Without prejudice to the foregoing, the Client shall be entitled to terminate this Contract in the event of any change in the structure or composition of the joint venture consortium, including the Member in Charge ceasing to act as such. In the event the Consultant is a joint venture consortium, the Performance Security may be provided by any member; provided that such Performance Security shall mention the details of this Contract and other members.

6.2.2 In the event the Consultant is a joint venture consortium, without prejudice to the joint and several liability of all the Members, each Member agrees that it shall exercise all rights and remedies under this Contract through the Member in Charge and the Client shall be entitled to deal with such Member in Charge as the representative of all Members. Each Member agrees and acknowledges that, notwithstanding anything to the contrary in the memorandum of understanding or any other such agreement or arrangement between the Members:

6.2.2.1 any decision (including without limitation, any waiver or consent), action, omission, communication or notice of the Member in Charge on any matters related to this Contract shall be deemed to have been on its behalf and shall be binding on it. The Client shall be entitled to rely upon any such action, decision or communication from the Member in Charge;

6.2.2.2 consolidated invoices for the Services performed by all the Members shall be prepared and submitted by the Member in Charge and the Client shall have the right to release payments solely to the Member in Charge and the Client shall not in any manner be responsible or liable for the inter se allocation of payments, works etc. among the Members;

6.2.2.3 any notice, communication, information or documents to be provided to the Consultant shall be delivered to the authorized representative of the Consultant (as designated pursuant to Clause 6.1.6 of the GCC) and any such notice, communication, information or documents shall be deemed to have been delivered to all the Members.

6.3 Commencement, completion, modification and termination of contract

- 6.3.1 Effectiveness of Contract: This Contract shall come into effect on the date the Contract is signed by both the Parties, or such other date as may be stated as per SC.
- 6.3.2 Commencement of Services: The Consultants shall commence the Services from 15th (fifteen) day of effectiveness of the Contract or any date prior to that, notified by the Client.
- 6.3.3 Expiration of Contract: Unless terminated earlier pursuant to relevant clauses in this contract hereof, this Contract shall expire when Services have been completed and all payments have been made at the end of such time period after the Effective Date as shall be specified in the SC.
- 6.3.4 Modification: Modification of the terms and conditions of this Contract, including any modification of the scope of the Services or of the Contract Price, may only be made by written agreement between the Parties.
- 6.3.5 Force Majeure
- 6.3.5.1 Definition: For the purposes of this Contract, "Force Majeure" means an event which is beyond the reasonable control of a Party, and which makes a Party's performance of its obligations under the Contract impossible or so impractical to be considered impossible under the circumstances, and includes, but not limited to war, riots, civil disorder, earthquake, fire, explosion, storm, flood or other adverse weather conditions.
- 6.3.5.2 No Breach of Contract: The failure of a party to fulfil any of its obligations under the Contract shall not be considered to be a breach of, or default under this Contract insofar as such inability arises from an event of Force Majeure, provided that the Party affected by such an event:
- a) has taken all precautions, due care and reasonable alternative measures in order to carry out the terms and conditions of this Contract, and
 - b) has informed the other party as soon as possible about the occurrence of such an event.
 - c) the dates of commencement and estimated cessation of such event of Force Majeure; and
 - d) the manner in which the Force Majeure event(s) affects the Party's obligation(s) under the Contract.
- 6.3.5.3 The Parties agree that neither Party shall be able to suspend or excuse the non-performance of its obligations hereunder unless such Party has given the notice specified above.
- 6.3.6 Extension of Time: Any period within which a Party shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result of Force Majeure.
- 6.3.7 Payments: During the period of their inability to perform the Services as a result of an event of Force Majeure, the Consultants shall be entitled to continue to be paid under the terms of this Contract, as well as to be reimbursed for additional costs reasonably and necessarily incurred by them during such period for the purposes of the services and in reactivating the services after the end of such period.

6.4 Termination

- 6.4.1 By the client: The Client may terminate this Contract, by not less than thirty (30) days' or sixty (60) written notice of termination to the Consultants, to be given after the occurrence of any of the events specified in this clause:
- a) if the Consultants do not remedy a failure in the performance of their obligations under the Contract, within a period of sixty (60) days, after being notified or within such further period as the Client may have subsequently approved in writing;
 - b) within thirty (30) days, if the Consultants become insolvent or bankrupt;
 - c) if, as the result of Force Majeure, the Consultants are unable to perform a material portion of the Services for a period of not less than sixty (60) days;
 - d) within thirty (30) days, if the Consultant fails to comply with any final decision reached as a result of arbitration proceedings pursuant to relevant clauses hereof;
 - e) within thirty (30) days, if the Consultant submits to the Client a false statement which has a material effect on the rights, obligations or interests of the Client. If the Consultant places itself in position of conflict of interest or fails to disclose promptly any conflict of interest to the Client;
 - f) within thirty (30) days, if the Consultant, in the judgment of the Client has engaged in Corrupt or Fraudulent Practices in competing for or in executing the Contract;
 - g) if the Client, in its sole discretion and for any reason whatsoever, within a period of sixty (60) days' decides to terminate this Contract.
- 6.4.2 By the Consultants: The Consultants may terminate this Contract, by not less than thirty (30) day's' written notice to the Client, such notice to be given after the occurrence of the events specified in this clause:
- a) if the Client fails to pay any money due to the Consultants pursuant to this Contract and not subject to dispute pursuant to relevant clauses hereof within forty-five (45) days after receiving written notice from the Consultants that such payment is overdue ; or
 - b) if, as the result of Force Majeure, the Consultants are unable to perform a material portion of the Services for a period of not less than sixty (60) days.
- 6.4.3 Cessation of Rights and Obligations: Upon termination of this Contract pursuant to actual Termination, or upon expiration of this Contract pursuant to relevant clause hereof, all rights and obligations of the Parties hereunder shall cease, except (i) such rights and obligations as may have accrued on the date of termination or expiration, (ii) the obligation of confidentiality set forth in relevant clause hereof, (iii) the Consultant's obligation to permit inspection, copying and auditing of their accounts and records set forth in Clause 3.6 hereof, (iv) the rights of indemnity of the Client specified in clause 11 and (v) any right which a Party may have under the Applicable Law.
- 6.4.4 Cessation of Services: Upon termination of this Contract by notice of either Party to the other pursuant to relevant clauses hereof, the Consultant shall, immediately upon dispatch or receipt of such notice, take all necessary steps to bring the Services to a close in a prompt and orderly manner and shall make every reasonable effort to keep expenditures for this purpose to a minimum. With respect to documents prepared by the Consultant and equipment and materials furnished by the Client, the Consultant shall handover all project documents under procedure described in this contract.

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

- 6.4.5 Payment upon termination: Upon termination of this Contract, the Client will make the following payments to the Consultants:
- a) Remuneration pursuant to relevant clauses for Services satisfactorily performed prior to the effective date of termination;
 - b) If the Contract is terminated pursuant to Clause 6.4.1a), b), d), e) or f), the Consultant shall not be entitled to receive any agreed payments upon termination of the Contract. However, the Client may consider to make payment for the part satisfactorily performed on the basis of the quantum meruit as assessed by it, in its sole discretion, if such part is of economic utility to the Client. Under such circumstances, upon termination, the Client may also impose liquidated damages as per the provisions of relevant clauses of this Contract. The consultant will be required to pay any such liquidated damages to Client within 30 days of termination date.
- 6.4.6 Disputes about Events of Termination: If either Party disputes Termination of the contract under relevant clauses hereof, such Party may, within forty-five (45) days after receipt of notice of termination from the other Party, refer the matter to arbitration under relevant clauses hereof, and this Contract shall not be terminated on account of such event except in accordance with the terms of any resulting arbitral award.

6.5 Obligations of the Consultants

- 6.5.1 General: The Consultants shall perform the Services and carry out their obligations hereunder with all due diligence, efficiency and economy, in accordance with generally accepted professional techniques and practices, and shall observe sound management practices, and employ appropriate advanced technology and safe methods. The Consultants shall always act, in respect of any matter relating to this Contract or to the Services, as faithful advisers to the Client, and shall at all times support and safeguard the Client's legitimate interests in any dealings with Sub-consultants or third parties. Since the NICDIT Krishnapatnam Industrial City Development Limited (NKICDL) project is to be implemented as a joint venture between the State Government and NICDC, any State Government agency as appointed by the State Government is to be continuously consulted, besides the Client, as a major stakeholder in the Project.
- 6.5.2 Conflict of interest
- 6.5.2.1 Any breach of an obligation under Clause 6.5.2 shall constitute a conflict of interest ("Conflict of Interest"). The Consultant shall comply and shall ensure the Sub-consultants and Affiliates of the foregoing comply with the provisions of Clause 6.5 and any breach of such an obligation shall constitute an event of default by the Consultant for the purposes of this Contract. The Consultant shall promptly disclose any Conflict of Interest to the Client. For the avoidance of doubt, the Consultant agrees that a disclosure of any Conflict of Interest shall not in any manner whatsoever be deemed to cure such Conflict of Interest.
- 6.5.2.2 Consultants Not to Benefit from Commissions, Discounts, etc.: The remuneration of the Consultants pursuant to relevant clauses hereof shall constitute the Consultant's sole remuneration in connection with this Contract or the Services, and the Consultants shall not accept for their own benefit any trade commission, discount or similar payment in connection with activities pursuant to this Contract or to the Services or in the discharge of their obligations under the Contract, and the Consultants shall use their best efforts to ensure that the Personnel, any Sub-consultants and agents of either of them, similarly shall not receive any such additional remuneration.
- 6.5.2.3 Consultants and Affiliates Not to Engage in Certain Activities: The Consultants agree that, during the term of this Contract and after its termination, the Consultants and their affiliates, as well as any Sub-consultant and any of its affiliates, shall be

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

disqualified from providing goods, works or services (other than the Services and any continuation thereof) for any project resulting from or closely related to the Services for the period of two years.

- 6.5.2.4 **Prohibition of Conflicting Activities:** Neither the Consultants nor their Sub-consultants nor the Personnel shall engage, either directly or indirectly, in any of the following activities:
- a) during the term of this Contract, any business or professional activities which would conflict with the activities assigned to them under this Contract; and
 - b) after the termination of this Contract, such other activities as may be specified in the SC.
- 6.5.3 **Confidentiality:** The Consultants, their Sub-consultants, and the Personnel of either of them shall not, either during the term or within two (2) years after the expiration of this Contract, disclose any proprietary or confidential information relating to the Project, the Services, this Contract or the Client's business or operations without the prior written consent of the Client.
- 6.5.4 **Consultant's Actions Requiring Client's Prior Approval:** The Consultants shall obtain the Client's prior approval in writing before taking any of the following actions:
- a) entering into a subcontract for the performance of any part of the Services, it being understood (i) that the selection of the Sub consultant and the terms and conditions of the subcontract shall have been approved in writing by the Client prior to the execution of the subcontract, (ii) that the Consultants shall remain fully liable for the performance of the Services by the Sub consultant and its Personnel pursuant to this Contract, (iii) that the extent of sub-contracting would be restricted to 30 (thirty) percent of the contract price, and (iv) the Client will be provided by the Consultant with particulars (name, financial & technical background, sub-consultancy fee) of the sub-consultant.
 - b) appointing such members of the Personnel, as are not mentioned in the Technical Proposal, and
 - c) any other action that may be specified in the SC.
- 6.5.5 **Reporting Obligations:** The Consultants shall submit to the Client the reports and documents specified in TOR, in the numbers, and within the periods set forth in this contract.
- 6.5.6 **Documents Prepared by the Consultants to be the Property of the Client:** All plans, drawings, specifications, designs, reports, other documents and software submitted by the Consultants pursuant to this contract shall become and remain the property of the Client, and the Consultants shall, not later than upon termination or expiration of this Contract, deliver all such documents and software to the Client, together with a detailed inventory thereof. The Consultants may retain a copy of such documents and software. Restrictions about the future use of these documents and software, if any, shall be specified in the SC.
- 6.5.7 **Liability of the Consultants:** Subject to additional provisions, if any, set forth in the SC, the Consultants' liability under this Contract shall be as provided by the Applicable Law.
- 6.5.8 **Insurance to be taken out by the Consultants:** The Consultants (i) shall take out and maintain, and shall cause any Sub consultants to take out and maintain, at their (or the Sub consultants', as the case may be) own cost but on terms and conditions approved by the Client, insurance against the risks, and for the coverages, as shall be specified in the Special Conditions (SC), and (ii) within 15 (fifteen) days of receiving any

insurance policy certificate in respect of insurances required to be obtained and maintained under this clause, the Consultant shall furnish to the Client, copies of such policy certificates, copies of the insurance certificates and evidence that the insurance premium have been paid in respect of such insurance. No insurance shall be cancelled, modified or allowed to expire or lapse during the terms of this Contract. (iii) if the Consultant fails to effect and keep in force the aforesaid insurances for which it is responsible pursuant hereto, the Client will apart from having other recourse available under this Contract have the option without prejudice to the obligations of the Consultant, to take out the aforesaid insurance, to keep in force any such insurances, and pay such premia and recover the costs thereof from the Consultants, and the Consultants shall be liable to pay such amounts on demand by the Client. (iv) the insurance policies so procured shall mention the Client as the beneficiary of the Consultants and the Consultants shall procure an undertaking from the insurance company in this regard.

6.6 Consultants' personnel

6.6.1 Description of Personnel

6.6.1.1 The titles, agreed job descriptions, minimum qualifications and estimated periods of engagement in the carrying out of the Services of the Consultants' core team are described in this contract. The core team are hereby approved by the Client. If additional work is required beyond the scope of the Services specified in TOR, the level of effort and/or staff assigned may be increased by agreement in writing between the Client and the Consultants, and the cost relating thereto shall be determined as per the man-month rates indicated in the financial bid.

6.6.1.2 If required to comply with the provisions of this Contract, adjustments with respect to level of effort, staff assignments, time may be made by the Consultants by written notice to the Client, provided (i) that such adjustments shall not alter the originally estimated period of engagement, scope, qualifications of team or deliverables and (ii) that the aggregate of such adjustments shall not cause payments under this Contract to exceed the ceilings set forth in this Contract. Any other such adjustments shall only be made with the Client's prior written approval.

6.6.2 Removal and/or Replacement of Key Personnel

6.6.2.1 The Client will not normally consider substitutions except in cases of incapacity of key personnel for reasons of health. Similarly, after award of contract the Client expects all of the proposed key personnel to be available during implementation of the contract. The Client will not consider substitutions during contract implementation except under exceptional circumstances up to a maximum of four (4) personnel and that too by only equally or better qualified and experienced personnel which will not exceed 80 (eighty) percent of the remuneration agreed for the Original Key personnel against first replacement, Thereafter reduction at the rate of 10% of the original quoted rates in respect of each subsequent replacement i.e. 70%, 60% and so on. The replacement of the team leader shall not be considered.

6.6.2.2 If the Client finds that any of the Personnel have (i) committed serious misconduct or has been charged with having committed a criminal action, or (ii) have reasonable cause to be dissatisfied with the performance of any of the Personnel, then the Consultants shall, at the Client's written request specifying the grounds therefore, forthwith provide as a replacement a person with qualifications and experience acceptable to the Client.

6.6.2.3 Any of the Personnel provided as a replacement under clauses above, the rate of remuneration applicable to such person as well as any reimbursable expenditures (including expenditures due to the number of eligible dependents) the Consultants may wish to claim as a result of such replacement, shall be subject to the prior written

approval by the Client. Except as the Client may otherwise agree, (i) the Consultants shall bear all additional travel and other costs arising out of or incidental to any removal and/or replacement, and (ii) the remuneration to be paid for any of the Personnel provided as a replacement shall not exceed the remuneration which would have been payable to the personnel replaced.

6.7 Obligations of the client

- 6.7.1 Assistance and Exemptions: Unless otherwise specified in the SC, the Client will use its best efforts to ensure that the Government will provide the Consultants, Sub-consultants and Personnel with work permits and such other documents as necessary to enable the Consultants, Sub consultants or Personnel to perform the Services:
- 6.7.1.1 assist for the Personnel and, if appropriate, their eligible dependents to be provided promptly with all supporting papers for necessary entry and exit visas, residence permits, exchange permits and any other documents required for their stay in India;
 - 6.7.1.2 facilitate prompt clearance through customs of any property required for the Services;
 - 6.7.1.3 issue to officials, agents and representatives of the Government all such instructions as may be necessary or appropriate for the prompt and effective implementation of the Services;
- 6.7.2 Access to land: The Client warrants that the Consultants shall have, free of charge, unimpeded access to all land in the Government's country in respect of which access is required for the performance of the Services.

6.8 Payments to the consultants

- 6.8.1 Payment terms: The Consultants total remuneration including out of pocket expenses shall not exceed the Contract Price and shall be a fixed lump sum including all staff costs, printing, communications, travel, accommodation, and the like, and all other costs incurred by the Consultant in carrying out the Services. In addition to these, any conditions mentioned in the SC shall also be applicable to this contract. The Contract Price may only be increased, if the parties have agreed to additional payments in accordance with relevant clauses hereof.
- 6.8.2 Currency: The price is payable in local currency i.e. Indian Rupees.
- 6.8.3 Payment for Additional Services: For the purpose of determining the remuneration due for additional services as may be agreed under relevant clauses for modification in this contract.

6.9 Settlement of disputes

- 6.9.1 Amicable Settlement: The Parties shall use their best efforts to settle amicably all disputes arising out of or in connection with this Contract or its interpretation.
- 6.9.2 Disputes Settlement: Any dispute between the Parties as to matters arising out of and relating to this Contract that cannot be settled amicably within thirty (30) days after receipt by one Party of the other Party's request for such amicable settlement may be submitted by either Party for settlement in accordance with the provision specified in the SC.

6.10 Responsibility for accuracy of project documents

- 6.10.1 General

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

- 6.10.1.1 The Consultant shall be responsible for accuracy of the Designs, drawings, estimate and all other details prepared by him as part of these services. He shall indemnify the client against any inaccuracy in the work, which might surface during implementation of the project. The Consultant will also be responsible for correcting, at his own cost and risk, the drawings including any re-survey/ investigations and correcting layout etc. if required during the execution of the Services.
- 6.10.1.2 The Consultant shall be fully responsible for the accuracy of plans and drawings. The Consultant shall indemnify the Client against any inaccuracy / deficiency in the designs and drawings noticed and the Client will bear no responsibility for the accuracy of the designs and drawings submitted by the Consultants.

6.11 Liquidated damages

If the selected Consultant fails to complete the Assignment, within the period specified under the contract, the consultant shall pay to the Client, fixed and agreed liquidated damages, and not as penalty, @ 1% of the contract fees for each week of delay or part thereof. The aggregate maximum of liquidated damages payable to the Client under this clause shall be subject to a maximum of 10% of the total contract fees. The client may assess the applicability of the liquidated damages, if any at the time of the closure of the contract.

6.12 Representation, warranties and disclaimer

- 6.12.1 The Consultant represents and warrants to the Client that:
- 6.12.1.1 it is duly organised, validly existing and in good standing under the applicable laws of its Country;
- 6.12.1.2 it has full power and authority to execute, deliver and perform its obligations under this Contract and to carry out the transactions contemplated hereby;
- 6.12.1.3 it has taken all necessary corporate and other action under Applicable Laws and its constitutional documents to authorize the execution, delivery and performance of this Contract;
- 6.12.1.4 it has the financial standing and capacity to undertake the Project;
- 6.12.1.5 this Contract constitutes its legal, valid and binding obligation enforceable against it in accordance with the terms hereof;
- 6.12.1.6 it is subject to laws of India with respect to this Contract and it hereby expressly and irrevocably waives any immunity in any jurisdiction in respect thereof;
- 6.12.1.7 there are no actions, suits, proceedings, or investigations pending or, to the Consultant's knowledge, threatened against it at law or in equity before any court or before any other judicial, quasi-judicial or other authority, the outcome of which may result in the breach of or constitute a default of the Consultant under this Contract or materially affect the discharge by the Consultant of its obligations under the Contract.
- 6.12.1.8 no representation or warranty by the Consultant contained herein or in any other document furnished by it to the Client contains or will contain any untrue statement of material fact or omits or will omit to state a material fact necessary to make such representation or warranty not misleading; and
- 6.12.1.9 no sums, in cash or kind, have been paid or will be paid, by or on behalf of the Consultant, to any person by way of fees, commission or otherwise for securing the Contract or for influencing or attempting to influence any officer or employee of the Client in connection therewith.

6.13 Miscellaneous

- 6.13.1 Assignment and Charges

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

- 6.13.1.1 The Contract shall not be assigned by the Consultant save and except with prior consent in writing of the Client, which the Client will be entitled to decline without assigning any reason whatsoever.
- 6.13.1.2 The Client is entitled to assign any rights, interests and obligations under this Contract to third parties.
- 6.13.2 Indemnity: The Consultant agrees to indemnify and hold harmless the Client from and against any and all claims, actions, proceedings, lawsuits, demands, losses, liabilities, damages, fines or expenses (including interest, penalties, attorneys' fees and other costs of defence or investigation (i) related to or arising out of, whether directly or indirectly, (a) the breach by the Consultant of any obligations specified in relevant clauses hereof; (b) the alleged negligent, reckless or otherwise wrongful act or omission of the Consultant including professional negligence or misconduct of any nature whatsoever in relation to Services rendered to the Client; (c) any Services related to or rendered pursuant to the Contract (collectively "Indemnified matter"). As soon as reasonably practicable after the receipt by the Client of a notice of the commencement of any action by a third party, the Client will notify the Consultant of the commencement thereof; provided, however, that the omission so to notify shall not relieve the Consultant from any liability which it may have to the Client or the third party. The obligations to indemnify and hold harmless, or to contribute, with respect to losses, claims, actions, damages and liabilities relating to the Indemnified Matter shall survive until all claims for indemnification and/or contribution asserted shall survive and until their final resolution thereof. The foregoing provisions are in addition to any rights which the Client may have at common law, in equity or otherwise.
- 6.13.3 Governing Law and Jurisdiction: The Contract shall be construed and interpreted in accordance with and governed by the Applicable Law of India and subject to relevant clauses hereof and the SC, the Courts within the State of Andhra Pradesh shall have jurisdiction over all matters arising out of or relating to the Contract.
- 6.13.4 Waiver
- 6.13.4.1 Waiver by either Party of any default by the other Party in the observance and performance of any provision of or obligations or under the Contract:
- a) shall not operate or be construed as a waiver of any other or subsequent default hereof or of other provisions or obligations under the Contract;
 - b) shall not be effective unless it is in writing and executed by a duly authorised representative of such Party; and
 - c) shall not affect the validity or enforceability of the Contract in any manner.
- 6.13.4.2 Neither the failure by either Party to insist on any occasion upon the performance of the terms, conditions and provisions of the Contract or any obligation hereunder nor time or other indulgence granted by a Party to the other Party shall be treated or deemed as waiver of such breach or acceptance or any variation or the relinquishment of any such right hereunder.
- 6.13.5 Survival: Termination of the Contract (a) shall not relieve the Consultant or the Client of any obligations hereunder which expressly or by implication survive Termination hereof, and (b) except as otherwise provided in any provision of the Contract expressly limiting the liability of either Party, shall not relieve either Party of any obligations or liabilities for loss or damage to the other Party arising out of or caused by acts or omissions of such Party prior to the effectiveness of such Termination or arising out of such Termination.
- 6.13.6 Notices: Unless otherwise stated, notices to be given under the Contract including but not limited to a notice of waiver of any term, breach of any term of the Contract and

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

termination of the Contract, shall be in writing and shall be given by hand delivery, recognised international courier, mail, telex or facsimile transmission and delivered or transmitted to the Parties at their respective addresses specified in the SC. The notices shall be deemed to have been made or delivered (i) in the case of any communication made by letter, when delivered by hand, by recognised international courier or by mail (registered, return receipt requested) at that address and (ii) in the case of any communication made by telex or facsimile, when transmitted properly addressed to such telex number or facsimile number.

- 6.13.7 Severability: If for any reason whatever any provision of the Contract is or becomes invalid, illegal or unenforceable or is declared by any court of competent jurisdiction or any other instrumentality to be invalid, illegal or unenforceable, the validity, legality or enforceability of the remaining provisions shall not be affected in any manner, and the Parties will negotiate in good faith with a view to agreeing upon one or more provisions which may be substituted for such invalid, unenforceable or illegal provisions, as nearly as is practicable. Provided failure to agree upon any such provisions shall not be subject to dispute resolution under the Contract or otherwise.
- 6.13.8 No Partnership: Nothing contained in the Contract shall be construed or interpreted as constituting a partnership between the Parties. Neither Party shall have any authority to bind the other in any manner whatsoever.
- 6.13.9 Language: All notices required to be given under the Contract and all communications, documentation and proceedings which are in any way relevant to the Contract shall be in the language specified the SC.
- 6.13.10 Exclusion of Implied Warranties etc.: The Contract expressly excludes any warranty, condition or other undertaking implied at law or by custom or otherwise arising out of any other agreement between the Parties or any representation by any Party not contained in the Contract.
- 6.13.11 Agreement to Override Other Agreements: The Contract supersedes all previous agreements or arrangements between the Parties, including any memorandum of understanding entered into in respect of the contents hereof and represents the entire understanding between the Parties in relation thereto.
- 6.13.12 Counterparts: The Contract may be executed in two counterparts, each of which when executed and delivered shall constitute an original of the Contract.

III. Special Conditions of Contract

The Special Conditions of Contract

The Special Conditions (SC) of contract contains number of amendments and supplements to clauses in the General Conditions of the Contract.

6.1.1(f) The contract price payable in Indian Rupees is _____(exclusive of GST).

6.1.1(j) The Member in-charge is [name of consultant].

6.1.1(n) Performance security

- (i) The Consultant will furnish within ten (10) days of the issue of Letter of Acceptance (LOA), an unconditional and irrevocable bank guarantee as Performance Security in the format given in "Annexure A" from a Scheduled Commercial Indian Bank for an amount equivalent to 5 (five) percent of the total cost of Financial Proposal under this Assignment.

6.1.3 The language is English.

6.1.4 The client address is [name, designation, telephone, facsimile, address].

6.1.4 The consultant address is [name, designation, telephone, facsimile, address].

6.1.6 The Authorized Representative for the consultant is [name, designation].

6.1.6 The Authorized Representative for the consultant is [name, designation].

6.1.7 For domestic consultants/personnel and foreign consultants/personnel who are permanent residents in India The Consultants and the personnel shall pay the taxes, duties, fees, levies/expenses and other impositions levied under the existing, amended or enacted laws during life of this contract and the Client will perform such duties in regard to the deduction of such tax as may be lawfully imposed. The Consultant will be paid by NKICDL only GST over and above the cost of Financial Proposal. All other applicable taxes, levies, duties, etc., if any, shall be borne by Consultant.

6.3.1 The date on which this Contract will come into effect is [date].

6.3.1 The duration of assignment shall be 16 (Sixteen) months and with option to extend the contract duration with mutual written agreement.

6.5.7 Limitation of the Consultants' Liability towards the Client

- (a) Except in case of negligence or wilful misconduct on the part of the Consultants or on the part of any person or firm acting on behalf of the Consultants in carrying out the Services, the Consultants, with respect to damage caused by the Consultants to the Client's property, shall not be liable to the Client:

- (i) for any indirect or consequential loss or damage; and
- (ii) For any direct loss or damage that exceeds (i) the total payments for Professional Fees and Reimbursable Expenditure made or expected to be made to the Consultants hereunder, or (ii) the proceeds the Consultants may be entitled to receive from any insurance maintained by the consultants to cover such a liability, whichever of (i) or (ii) is higher.

- (b) This limitation of liability shall not affect the Consultants' liability, if any, for damage to Third Parties caused by the Consultants or any person or firm acting on behalf of the Consultants in carrying out the Services.

6.5.8 Risks and coverage

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

- (a) Third Party motor vehicle liability insurance as required under Motor Vehicles Act, 1988 in respect of motor vehicles operated in India by the Consultants or their Personnel or any Sub consultants or their Personnel for the period of consultancy.
- (b) Third Party liability insurance with a minimum coverage, for Rs.10,00,000/- (Rupees Ten Lakhs only) for the period of consultancy.
- (c) Professional Liability Insurance: Consultants will maintain at its expense, Professional Liability Insurance including coverage for errors and omissions caused by Consultant's negligence, breach in the performance of its duties under this Contract from an Insurance Company permitted to offer such policies in India, for a period of five years beyond completion of Consultancy Services commencing from the Effective Date, (i) For an amount not exceeding total payments for Professional Fees and Reimbursable Expenditures made or expected to be made to the Consultants hereunder or (ii) the proceeds, the Consultants may be entitled to receive from any insurance maintained by the Consultants to cover such a liability, whichever of (i) or (ii) is higher with a minimum coverage of [insert amount and currency]. The indemnity limit in terms of "Any One Accident" (AOA) and "Aggregate limit on the policy period" (AOP) should not be less than the amount stated in the contract. In case of joint venture or 'in association', the policy should be in the name of joint venture / in association entity and not by the individual partners of the joint venture/association.
- (d) Employer's liability and workers' compensation insurance shall be in respect of the Personnel of the Consultants and of any Sub consultant, in accordance with the relevant revisions of the Applicable Law, as well as, with respect to such Personnel, any such life, health, accident, travel or other insurance as may be appropriate; and all insurances and policies should start from the date of commencement of services and remain effective as per relevant requirements of contract agreement.
- (e) Any other insurance that may be necessary to protect the Client, its employees and its assets (against loss, damage or destruction, at replacement value) including rioting and all Force Majeure Events that are insurable.

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

6.8.1 Consultancy fee will be paid in accordance with the submission and acceptance of the following milestone by NKICDL and State/Nodal agencies:

S. No	Milestone	Fee Payable (%)
1	Inception Report and Quality Assurance Plan	5
2	Market Demand Analysis and Final Base Map	5
3	Land suitability analysis, land zoning plan and technical assessment report including identification of external infrastructure requirements	5
4	Preliminary master plan report	10
5	Final Master plan report and preliminary financial model	10
6	Design basis report including final plot control sheets and notification of Final Master Plan	10
7	Urban Design/landscaping/branding guidelines	10
8	Draft preliminary design report including detailed economic analysis along with costing	10
9	Final preliminary design report,	10
10	3D model & BIM Model	5
11	Submission of EPC tender documents	5
12	Selection of EPC contractor	5
13	Approval of GFC's	5
14	Handholding and assistance to the Client	5
D*-Start date of assignment		

The relevant core staff of the consultant will be required to give a presentation to client regarding the broad features of the deliverable before the submission of each deliverable as per the delivery milestone. The comments of the client shall be incorporated into the scheduled deliverable.

Payment shall be made within 45 days of receipt of the invoice and approval of the relevant deliverables, and within 75 days in the case of the final payment, on achievement of milestones.

6.9 Dispute settlement: If any dispute or difference of any kind whatsoever arises between the parties in connection with or arising out of or relating to or under this Contract, the parties shall promptly and in good faith negotiate with a view to its amicable resolution and settlement. In the event no amicable resolution or settlement is reached within a period of thirty (30) days from the date on which the above-mentioned dispute or difference arose, such dispute or difference shall be finally settled by arbitration. The arbitral tribunal shall consist of a sole arbitrator appointed by mutual agreement of the parties. In case of failure of the parties to mutually agree on the name of a sole arbitrator, the arbitral tribunal shall consist of three arbitrators. Each party shall appoint

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

one arbitrator and the two arbitrators so appointed shall jointly appoint the third arbitrator. The seat of arbitration shall be seat of the office of TIA at “Mangalagiri” near ‘Amaravati’ of ‘Andhra Pradesh’ by excluding the seat of Arbitration and place of jurisdiction outside the State of Andhra Pradesh and the arbitration shall be conducted in the English language. The Arbitration and Conciliation Act, 1996 shall govern the arbitral proceedings. The award rendered by the arbitral tribunal shall be final and binding on the parties.

Annexure A: Form of Bank Guarantee for Performance Security

(To be stamped in accordance with the Stamp Act if any, of the country for issuing

bank) Ref.:

Bank Guarantee:

Date:

Dear Sir,

In consideration of M/s NICDIT Krishnapatnam Industrial City Development Limited (NKICDL) (hereinafter referred as the 'Client', which expression shall, unless repugnant to the context of meaning thereof include its successors, administrators and assigns) having awarded to M/s [name of consultant] a [type of company], established under laws of [country] and having its registered office at [address] (hereinafter referred to as the 'Consultant' which expression shall unless repugnant to the context or meaning thereof, include its successors, administrators, executors and permitted assigns), an Assignment for preparation of [name of assignment] Contract by issue of Client's Contract Letter of Award No. [reference] dated [date] and the same having been unequivocally accepted by the Consultant, resulting in a Contract valued at Rs. [amount in figures and words] for (Scope of Work) (hereinafter called the 'Contract') and the Consultant having agreed to furnish a Bank Guarantee amounting to Rs. [amount in figures and words] to the Client for the performance of the said Agreement.

We [Name of Bank] incorporated under [law and country] having its Head Office at [address](hereinafter referred to as the Bank), which expression shall, unless repugnant to the context or meaning thereof, include its successors, administrators executors and assigns) do hereby guarantee and undertake to pay the Client immediately on demand an or, all monies payable by the Consultant to the extent of Rs. [amount in figure and words] as aforesaid at any time up to [date] without any demur, reservation, contest, recourse or protest and/ or without any reference to the Consultant. Any such demand made by the Client on the Bank shall be conclusive and binding notwithstanding any difference between the Client and the Consultant or any dispute pending before any Court, Tribunal, Arbitrator or any other authority.

We agree that the Guarantee herein contained shall be irrevocable and shall continue to be enforceable until the Client discharges this guarantee.

The Client shall have the fullest liberty without affecting in any way the liability of the Bank under this Guarantee, from time to time to vary the advance or to extend the time for performance of the Contract by the Consultant nor shall the responsibility of the Bank be affected by any variations in the terms and conditions of the contract or other documents. The Client shall have the fullest liberty without affecting this guarantee, to postpone from time to time the exercise of any powers vested in them or of any right which they might have against the Client and to exercise the same at any time in any manner, and either to enforce or to forbear to enforce any covenants, contained or implied, in the Contract between the Client and the Consultant any other course or remedy or security available to the client. The Bank shall not be relieved of its obligations under these presents by any exercise by the Client of its liberty with reference to the matters aforesaid or any of them or by reason of any other act or forbearance or other acts of omission or commission on the part of the Client or any other indulgence shown by the Client or by any other matter or thing whatsoever which under law would but for this provision have the effect of relieving the Bank.

The Bank also agrees that the Client at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance without proceeding against the Consultant and notwithstanding any security or other guarantee that the client may have in relation to the Consultant's liabilities.

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

This Guarantee shall be irrevocable and shall remain in full force and effect until discharged by the Bank of all its obligations hereunder.

This Guarantee shall not be affected by any change in the constitution or winding up of the Consultant /the Bank or any absorption, merger or amalgamation of the Consultant /the Bank with any other Person.

Notwithstanding anything contained herein above our liability under this guarantee is limited to Rs. [amount in figure and words] and it shall remain in force up to and including [date] and shall extend from time to time for such period(s) (not exceeding one year), as may be desired by M/s [name of consultant] on whose behalf this guarantee has been given. Date this [date in words] day [month] of [year in 'yyyy' format] at [place].

WITNESS

1. [signature, name and address]

2. [signature, name and address]

[Official Address]

Designation

[With Bank Stamp]

Attorney as Per Power of Attorney No.

Dated

Strike out, whichever is not applicable.

The date will be fixed as indicated in S.C.C.

The stamp papers of appropriate value shall be purchased in the name of the bank which issues the 'Bank Guarantee'. The bank guarantee shall be issued either by a bank (Nationalized/Scheduled) located in India or a foreign bank through a correspondent bank (scheduled) located in India or directly by a foreign bank which has been determined in advance to be acceptable to the Client.

Annexure-B

Tips to bidders

1. Enrollment process in the Tender site

- Bidders are required to enroll on the e-Procurement portal (URL: <https://tender.apecurement.gov.in>) by clicking on the link "Online Bidder Enrolment".
- As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- Bidders are advised to register their valid email addresses and mobile numbers as part of the registration process. These would be used for any communication from the Portal.
- Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India, with their profile.
- Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.
- Bidder then logs in to the site through the secured log-in by entering their userID / password and the password of the DSC / eToken.

2. Tender search

- There are various search options built in the Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organisation name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organisation name, form of contract, location, date, other keywords etc. to search for a tender published on the ap-eprocurement Portal.
- The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification/help from the Helpdesk.

3. Preparation of bids

- Make folders with the name of the tender number so as to identify the folders easily during the bid document uploading.
- File and Folder names should not contain any special characters (&, #, etc.) or space in between.
- Download the tender document, NIT, BOQ of the required tender in that folder.
- Scan the EMD fee instruments/ Tenderfee instruments for offline payments if any.

**Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for
Chilamathur Industrial Area in Andhra Pradesh under HBIC Project**

- In the case of offline payment, the details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise, the bid submitted will not be acceptable.
- Scan and keep ready Pre-qualification documents like life certificates, PAN etc if any
- Prepare the technical bid document and then convert it into PDF.
- Prepare the BOQ i.e. fill up required figures in the downloaded XLS document. The BOQ file with the same name has to be uploaded while uploading the financial bids. If there is any change in Name it may not get uploaded or give an error.
- Keep all the documents in the same folder for easy bid document upload
- The bid summary has to be printed and kept as an acknowledgement as a token of the submission of the bid. It will act as proof of bid submission for a tender floated and will also act as an entry point to participate in the bid opening date. For any clarifications with the TIA, the bid no can be used as a reference.

4. Submission of bids

- Bidder should log into the site well in advance for bid submission so that he/she uploads the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the Tender Processing Section, latest by the last date of bid submission. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise, the uploaded bid will be rejected.
- If a standard BoQ format has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download the BoQ file, open it and complete the while colored (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.
- The serve time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128-bit encryption technology. Data storage encryption of sensitive fields is done.
- Any document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers / bid-openers public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

5. **Password maintenance**

- The length of the password should be of 8 to 32 characters
- The password should be of any English lowercase and uppercase (a-z and A-Z) characters.
- The password must contain at least one number between 0-9.
- The password must contain at least one special character from these [! @ # \$ ^ * _ ~]
- Sample password is just like Admin123\$, India2000#, etc.

6. **About DSC**

- Digital Signature Certificates (DSC) is the digital equivalent (that is electronic format) of physical paper certificates.
- Like physical documents are signed manually, electronic documents, for example e-forms are required to be signed digitally using a Digital Signature Certificate. Transactions that are done using Internet if signed using a Digital Signature certificate becomes legally valid.
- Bidders have to procure Class2or 3 signing certificates only. Only Class 2 or 3 is valid for e-tendering purpose.
- The Certifying Authorities are authorized to issue a Digital Signature Certificate with a validity of one or two years. The maximum period for which the DSC is issued is only two years. On the expiry of the term, the Digital Signature Certificate can be revalidated by paying the fees again.
- Digital Signatures are legally admissible in a Court of Law, as provided under the provisions of IT.
- Digital Signature Certificate (DSC) is not required by Companies but by individuals. For example the Director or the Authorized signatory signing on behalf of the Company requires a DSC.
- Each user logs in to the tender site thro' the secured log in by giving the user id/ password allotted during registration & then by giving the password of the DSC. The DSC password will get locked if successively wrong password is given many times.

7. **DSC providers for Private firms**

A licensed Certifying Authority (CA) issues the digital signature. Certifying Authority (CA) means the authority that has been granted a license to issue a digital signature certificate under Section 24 of the Indian IT-Act 2000.

- The vendors like TCS (www.tcs-ca.tcs.co.in), Sify, MTNL, nCode (dsc@ncodesolutions.com), e-Mudhra (www.e-mudhra.com) are issuing DSC's for bidders.
- The time taken by Certifying Authorities to issue a DSC may vary from three to seven days.

8. **Advantage of "My Space" on Portal**

Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for Chilamathur Industrial Area in Andhra Pradesh under HBIC Project

- The bidder can upload Non-Sensitive frequently asked documents prior at any point of time once he logs in to the application. These are not encrypted.
- They can be anything like PAN Certificate, GST Certificate, Equipment Details, Manpower Details, Copies of Balance Sheet of the last few years, Details of quantity of work executed etc.
- In some cases, the TIA might have uploaded a format while in many cases it may just be a scanned copy of the original which needs to be uploaded.
- This will avoid repeated upload of common documents and also save space and time.

9. System requirements

- Windows XP with latest service pack
- Loaded IE 7.0 or above
- Loaded JRE 1.6 or above
- Antivirus Software with latest definition.
- Internet connectivity
- Scanner to scan the documents if required
- Printer and PDF Creator.

10. Assistance to Bidders

- Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- Any queries relating to the process of online bid submission or queries relating to Portal in general may be directed to the 24x7 ap-e-procurement Portal Helpdesk.

Annexure-C

Site Map