

REPLY TO PRE-BID QUERIES

Preparation Of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for Ponneri Industrial Area in Tamil Nadu under CBIC Project

Sl. No	Clause of RFP	Reference	Bidder Query	Reply to Query
1.	Clause 2.2.1	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 Central Public Procurement Portal and on DMICDC website.	To prepare a comprehensive proposal with all the tender requirements it will be tough to submit the proposal within 2 weeks of pre bid queries. We request you to please allow the bidder minimum 3 weeks' time post receipt of pre bid comments.	Refer corrigendum 1
2.	Clause 2.5.2	The scanned copy of the bid security shall be submitted online at the time of submission of bid proposals. The hard copy of the bid security in the form of Bank Guarantee shall be submitted at the Client's office before 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 bankers take more time now a days to issue the BG. Please allow the bidder to submit the original BG within 3-4 working days after submission of bid. Please confirm	The conditions of the RfP remains unchanged.
3.	Clause 2.7.3 Point No. 1	The team leader proposed must be permanent full-time employees of the firm. 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.	We request you to modify this clause as follows: It is desirable that the 50% of other key staff be permanent full-time employees of the firm.	The conditions of the RfP remains unchanged.
4.	Clause 2.7.3 Point no.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 key staff along with his current employer must be furnished mentioning his/ her availability for the project. In the absence of such certificate, his/ her CV will not be evaluated.	As it is practically impossible to obtain a certificate from current employer of a key staff for future project for non-permanent staff of a consultant, we request you to change this clause as follows: 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 key staff must be furnished mentioning his/ her availability for the project. In the absence of such certificate, his/ her CV will not be evaluated.	Refer corrigendum 1

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5.	Clause 2.7.3 Point no.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.	DMICDC will appreciate that most of the clients does not issue completion certificates with full details as mentioned in the clause. We therefore request DMICDC to allow to include relevant pages of the contract agreement or other approvals given by the Client during or after completion of the project to substantiate the desired details.	Relevant pages of the contract agreement or other approvals given by the Client during or after completion of the project to substantiate the desired details will be accepted. However, the essence of the initial clause remains unchanged. The conditions of the RfP remains unchanged
6.	Clause 2.9.4 S.no. c	Experience in preparation of Detailed Master Planning of SEZ, Industrial Park, Area Development, Smart City Project of similar nature of at least 5 sq.km. on which construction work has started. Experience of last ten years will only be considered. At least 1 out of the two projects shall be an international project. Minimum 1 project should also have the scope related to EIA studies and EIA clearances – No. of Projects 2	1) Please clarify if projects executed by the Consultant on DMICDC corridors are considered as International Projects or not? Also please clarify if the projects executed in India through other programs are also considered as International Projects.	Projects outside the boundary of India will only be considered as international projects. The conditions of the RfP remains unchanged
7.	Clause 2.12.3	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	There is scarcity of good professionals in the market and with so many options available for these professionals, the experts move to other organisation more frequently. There are 14 key experts, Hence, we request you to allow the consultant for substitution upto maximum of 7 (seven) personnel. Also, the reduction in remuneration of the key personnel	The conditions of the RfP remains unchanged

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		<p>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, substitution of key personnel in excess of two</p> <p>(2) Key Personnel would call for reduction in the remuneration, 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.</p>	<p>in excess of two (2) is 20% and thereafter it is 10% which is on a very higher side. As a general practice it is only 5% and that too under exceptional circumstances. Please confirm.</p>	
8.	Clause 2.18.3	<p>2. Senior Urban Planner / Senior Master Planner- with 15 years' experience- 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. At least 5 out of the 15 years' experience should be international experience in the planning and design of economic clusters or corridors, townships, or campus developments.</p> <p>3. Senior Infrastructure Planner/ Engineer- with 15 years' experience- Should be a Postgraduate in Infrastructure Planning/ Engineering or 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</p>	<p>Kindly give a breakup (ranges) for the marking consideration i.e., years of experience and no of projects in relevant field to analyze the requirement.</p> <p>Preferably, International experience should be made desirable but not compulsory.</p>	The conditions of the RfP remains unchanged

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		<p>years should be international experience in Infrastructure planning and designing of economic cluster or corridors townships or campus developments.</p> <p>4. Urban Designer- with 10 years' experience- Should be a Postgraduate in urban design or equivalent degree with relevant experience in master planning or urban design of integrated industrial townships, large campuses involving an economic component and mixed housing development. At least 3 out of the 10 years' experience should be international experience in the planning and urban design of economic clusters or corridors, townships, or campus developments.</p>		
9.	Clause 2.18.4 B3	Overseas / International Experience	Please clarify the International Experience of the expert to be considered during evaluation.	<p>Experience of Projects executed outside the country of residence will be considered as International projects.</p> <p>The conditions of the RfP remains unchanged</p>
10.	Clause – Background	Delhi Mumbai Industrial Corridor Development Corporation Ltd (DMICDC) is undertaking the activities related to Preparation of Master Planning and Preliminary Engineering for Ponneri Industrial Area in Tamil Nadu. An area of approximately 4000 acres has been demarcated for the development of the Ponneri Industrial Area.	We request you to provide the key plan showing the project area with boundaries for Consultants assessment.	Refer Corrigendum No. 1

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11.	5.1.1, point No. 4	To prepare a statutory plan for approval by the state town planning department or the relevant local authority as may be applicable	Statutory plan preparation requires a demarcated administrative boundary. Kindly clarify	The conditions of the RFP remains unchanged.
12.	Clause 5.4.2.4	The Consultant will collect information related to Land use, zoning map as per adopted development plan if any, and shall also carry out 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.	Please provide the previous study reports ie., adopted development plan, transport studies, corridor plan and report, Geotechnical studies and hydraulic & hydrological data details (i.e, Year and AoI details) etc., for reference.	The consultants are requested to carry out all necessary technical surveys/ investigations etc. as part of the scope of work. The conditions of the RFP remains unchanged.
13.	Clause 5.5 Clause 5.4.2.1	Detailed Scope of Services for Part D: Preparation of Final Base Map The consultant will be responsible for collecting basic information regarding the site, its surrounding and available infrastructure.	Kindly please provide a detailed map of the study area and profile to assess the quantity of work.	Refer Corrigendum No. 1
14.	Clause 5.7.1	Detailed Scope of Services for Part F: Preparation of Concept Master Plan 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 city development. These principles and KPIs will also become the basis of evaluation for three master plan options to be developed and presented to	Kindly provide the KPIs as referred in the RFP, need to be considered.	The KPIs needs to be firmed up by the consultant in consultation with various stakeholders as part of the scope of work. The conditions of the RFP remains unchanged

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		the client for their consideration		
15.	Clause 6.8.2	The client will release 60% payment due against a particular milestone if the comments/approval from the respective State Government is not received within 45 days from the date of forwarding the report. Remaining 40% shall be released only after receipt of comments/approval from the concerned State Government/ Nodal Agency.	We request you to release 80% pf the payment against a particular milestone within 45 days as substantial manpower and expenses are incurred by the consultant.	The conditions of the RFP remains unchanged.
16.	Clause 6.11	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.	If it is conclusively proved that the delay is because of the Consultant, then this clause will be applicable. Please confirm	The applicability of Clause related to liquidated damages will only be exercised if the delays are attributable to the consultants. The conditions of the RFP remains unchanged.
17.	Clause 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 DMICDC only service	It is mentioned service tax in the clause. Please confirm that this will be GST instead of service tax	Refer Corrigendum-I

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		tax over and above the cost of Financial Proposal. All other applicable taxes, levies, duties, etc., if any, shall be borne by Consultant.												
18.	Clause 6.5.8(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,.....	Considering the nature of assignment and scope of the consultant, the professional liability insurance for the period of five (5) years beyond completion of services is very much on higher side. We hereby request DMICDC to reduce this to the project duration instead of 5 years	The conditions of the RfP remains unchanged.										
19.	Section 2. Instructions to Consultants; 2.18 Tentative schedule for selection process	<p>The Client will endeavour to follow the following schedule:</p> <table border="1"> <tr> <td>Date of issue of RFQ CUM RFP</td> <td>11.02.2020</td> </tr> <tr> <td>Last date for receiving queries/ requests for clarifications</td> <td>20.02.2020</td> </tr> <tr> <td>Pre-bid meeting</td> <td>24.02.2020</td> </tr> <tr> <td>Client's response to queries/requests for clarifications</td> <td>28.02.2020</td> </tr> <tr> <td>Proposal Due Date</td> <td>20.03.2020</td> </tr> </table>	Date of issue of RFQ CUM RFP	11.02.2020	Last date for receiving queries/ requests for clarifications	20.02.2020	Pre-bid meeting	24.02.2020	Client's response to queries/requests for clarifications	28.02.2020	Proposal Due Date	20.03.2020	<p>After the response to Pre- bid queries, there is very limited timeframe for preparation of RFQ cum RFP Proposal.</p> <p>Request your consideration for extension of time for submission of Proposal after response of queries.</p>	Please refer Corrigendum-I
Date of issue of RFQ CUM RFP	11.02.2020													
Last date for receiving queries/ requests for clarifications	20.02.2020													
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Proposal Due Date	20.03.2020													
20.	5.4.2 Surveys and investigations	Surveys and investigations	There are some numbering format issues in this section. This should be 5.5.2 (part of section 5.5 Detailed scope of services for Part C: Technical Assessments...) and the same numbering should be followed after that...	Please refer Corrigendum-I										
21.	5.4.2 Surveys and investigations; sub section- 5.4.2.1	The consultant will be responsible for collecting basic information regarding the site, its surrounding and available infrastructure. The consultant shall procure the data regarding land	<p>This is mentioned in the section that the procurement of the Satellite Imagery is the responsibility of the consultant.</p> <p>Please clarify that the cost pertaining to procurement of</p>	Responsibility of procuring satellite imagery along with its associated cost lies with the consultant.										

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		boundaries, topography, land acquisition etc. Also, the procurement of the satellite imagery is the responsibility of the consultant. If additional data is needed, the client will support the consultant in terms of procurement of the data based on specific request by the consultants.	satellite imagery will be borne by Client or Consultant. Satellite image is a very time consuming process from NRSA. We request use of google earth images as part of the design process.	The conditions of the RfP remains unchanged.
22.	5.4.2 Surveys and investigations; sub section-5.4.2.4	The Consultant will collect information related to Land use, zoning map as per adopted development plan if any, and shall also carry out 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.	In refer section, Please clarify that the Geotechnical studies and hydraulic & hydrological data is available with Client and other departments/ agencies OR The consultant need to conduct these surveys mentioned in this section.	The consultants are requested to carry out all necessary technical surveys/ investigations etc. as part of the scope of work. The conditions of the RfP remains unchanged.
23.	2.18.2 List of minimum key personnel/ staff; 3rd bullet Point	Consultants, who are executing ongoing mandates from Client, must propose a separate team of key staff while bidding for this project.	It is understood that the ongoing team cannot proposed in this projects. Please Clarify the same team can be proposed for 2 project Nodes in Tamil Nadu State and the separate team for Node in Kerala state	The conditions of the RfP remains unchanged.
24.	Form 3A: Pre-qualification Proposal Submission Form; Point-11	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.	Please clarify, This declaration can be issued only towards the directors, company & signing Authority. Confirmation on behalf of all employees should not be including.	The conditions of the RfP remains unchanged.
25.	6.8 Payments to the consultants	6.8.2 The client will release 60% payment due against a particular milestone if the comments/approval from the respective State Government is not received within 45 days from the date of forwarding the report. Remaining	The delay in payment as envisaged in this clause can be a potential delay in project. It is also recommended that there should be a deemed approval provision in event of lapse of a definite time period for balance 40% payment and it should also be	The conditions of the RfP remains unchanged.

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		40% shall be released only after receipt of comments/approval from the concerned State Government/Nodal Agency.	released post such period to avoid further delay on project progress.	
26.	6.5.8 Risks and coverage	(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.	It is suggested that the tenure of Professional Liability Insurance (PLI) should not exceed duration of the agreement or a period of 2 years after expiry or termination whichever is earlier.	The conditions of the RFP remains unchanged.
27.	Section 2, Clause	RFQ CUM RFP Processing Fee: The RFQ CUM RFP	We request you to reduce the non-refundable Processing	The conditions of the RFP

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	2.1.21,	submissions shall be accompanied by a Bank Draft of USD 2,000.00 only (USD Two Thousand Only) or INR 1,00,000.00 (Indian Rupees One Lakh only) plus GST @18% in favour of “Delhi Mumbai Industrial Corridor Development Corporation Limited”, payable at New Delhi, India, as a non-refundable RFQ CUM RFP processing fee (the “RFQ CUM RFP Processing Fee”).	Fee to USD 1,000 only (USD One Thousand Only) or INR 50,000.00 (Indian Rupees Fifty thousand only).	remains unchanged.
28.	Section 2, Clause 2.7.3, Sub Clause 1 & 2,	<p>The team leader proposed must be permanent full-time employees of the firm. 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.</p> <p>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 key staff along with his current employer must be furnished mentioning his/ her availability for the project. In the absence of such certificate, his/ her CV will not be evaluated.</p>	As the TOR envisaging multi-dimensional skill-set to undertake the proposed assignments, we request you to allow firms to propose competent Freelancer / Independent Consultant for the Team Leader & other Key Positions. However, the proposed key expert would require to submit project specific consent to work on the Project, along with an undertaking for his / her availability throughout the project period. Please consider and confirm	Refer corrigendum 1
29.	Section 2, Clause 2.9.4, Sub Clause (a),	Experience in preparation of DPR (Detailed Project Report)/ Preliminary Design Report (PDR) for trunk infrastructure of Industrial/Residential Townships, SEZ's or Urban Infrastructure Projects spread over minimum 5 sq.km area with capital costs more than Rs. 500 Crore each on which the construction work has started. Experience of last ten years will only be considered.	<p>We understand that in absence of completion certificate documentary evidence like CA certified revenue details form the specific project along with agreement / work order can be submitted as a proof of completion of DPR/ PDR. Please confirm.</p> <p>We also understand that area parameter and capital costs of projects would be substantiated through area breakup and costs as available with final DPR/ PDR</p>	Relevant evidence like CA certified payment details, pages of the contract agreement or other approvals given by the Client during or after completion of the project to substantiate the desired details will be accepted.

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			<p>submitted to clients, please confirm.</p> <p>It is difficult to prove 'start of construction work' through documentary evident since such DPR/PDR takes lots of time and approval to implement on ground and sometimes the project kept on hold due to change in Govt. setup. We therefore request you to remove this requirement for an eligible assignment.</p> <p>Also if the scope of the consultant is only limited to DPR/PDR under the contract, it would be very difficult to showcase such information.</p>	<p>However, the essence of the initial clause remains unchanged.</p> <p>Area parameter and capital costs of projects should be substantiated through client certificate and/or any other written evidence from the client.</p> <p>The conditions of the RfP remains unchanged.</p>
30.	Section 2, Clause 2.9.4, Sub Clause (b),	Experience of engineering design of individual projects such as arterial/ collector/ local roads (typically 12m to 70m widths) or utility services (water supply, sewage disposal, drainage network, power supply including Transmission and Distribution network, including treatment plants) in an urban context with capital costs more than Rs. 100 crore each for Government /Semi Government Agency or private entity during last 10 years.	<p>Please clarify if the term 'utility services' can be separately read as water supply/ sewage disposal/ drainage network/ power supply including Transmission and Distribution network/ including treatment plants or together with all the infrastructure components for an individual project.</p> <p>We understand that max. 2 nos. of assignment would be considered in each category to justify min qualification with technical scoring allocated for max. 5 nos. of eligible projects, please re-confirm.</p>	<p>The utility services under single work order shall be considered as single project.</p> <p>The conditions of the RfP remains unchanged.</p>
31.	Section 2, Clause 2.9.4, Sub Clause (c),	Experience in preparation of Detailed Master Planning of SEZ, Industrial Park, Area Development, Smart City Project of similar nature of at least 5 sq.km. on which construction work has started. Experience of last ten years will only be considered. At least 1 out of the two projects shall be an international project.	We suggest to relax area related parameter while considering experience in Area development or Smart City Projects since very few assignments of 5 sq.km. may have implemented under current Smart City Mission Projects in India. Please consider and confirm.	The conditions of the RfP remains unchanged.
32.			Scope related to EIA studied and EIA clearance may or may not be undertaken under a single contract so we	Please refer Corrigendum-I

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		Minimum 1 project should also have the scope related to EIA studies and EIA clearance.	request you to give additional weightage for eligible project consisted EIA scope while evaluating technical scoring, please consider and confirm.	
33.			We understand that max. 2 nos. of assignment would be considered in each category to justify min qualification with technical scoring allocated for max. 5 nos. of similar assignments, please confirm	The conditions of the RfP remains unchanged.
34.	Section 2, Clause 2.9.4,	Note : Projects 'a' 'b' and 'c' shall be collectively referred to as "Eligible Projects". For Eligible Projects, ongoing projects completed to 80 percent 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.	We understand that ongoing eligible projects of PDMC (Project Development and Management Consultant) contact may be considered for full weightage for scoring eligible project since substantially completed PDMC scope covers preparation/ revision of Master Plan/ DPR/ PDR, Detailed Design including Project Management services under a single contract. We understand that substantial completion Certificate for PDMC contract would be considered under the Project Experience category 'a', 'b' and 'c' please confirm.	The conditions of the RfP remains unchanged.
35.	Section 2, Clause 2.9.5, Sub Clause (a),	Specific experience of the consultants related to the Assignment The firm should have undertaken / completed 5 nos of similar project of Master Planning and Preliminary Engineering for various trunk infrastructure components. The said project experience shall comprise of at least three different infrastructure components in the last ten years preceding the PDD, will be considered for the purpose of qualification. The infrastructure components that would be considered include:	We request you to re-consider project experience undertaken for any infrastructure component from your given lists of infrastructure component: Roads <ul style="list-style-type: none"> • Water supply • Sewerage • Drainage • Integrated solid waste management • Power/Energy • ICT Infrastructure Since currently various state govt. / central schemes like	Please refer Corrigendum-I

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		<ul style="list-style-type: none"> • Roads • Water supply • Sewerage • Drainage • Integrated solid waste management • Power/Energy • ICT Infrastructure <p>The emphasis will be on relevance of the projects to the assignment, size and nature of the projects i.e. of comparable size, complexity and technical specialty. It includes preparation of master plans and DPRs/preliminary engineering for industrial estates/townships/ special economic zones/ special investment zones/ area development plans. Minimum 1 project should also have the scope related to EIA studies and EIA clearance.</p>	<p>AMRUT are under implementation for city wide trunk infrastructure for water supply / sewerage/ drainage or under SBM for ISWM, etc.</p> <p>Also, we request you to separately consider scope related to EIA studied and EIA clearance may or may not be undertaken under a single contract for an eligible assignment which you may consider for additional weightage while awarding marks for technical scoring, please consider and confirm.</p>	
36.	Clause No. 2.1.22	“Project Office: Consultant is advised to have their main Project Office at Kochi”	We understand that the key staff will be available for all meetings in Delhi and Kochi. However, the Key staff will not be stationed in the Project office. Request clarification.	The conditions of the RfP remains unchanged.
37.	Clause No 2.18	Tentative schedule for selection process	We request 3 weeks extension time for submission of the bid proposal	Please refer Corrigendum-I
38.	Clause No. 5.4.2.5	The consultant shall validate the project boundary and demarcation of the site.	We assume that the boundary will be verified as per the DGPS method of an already demarcated boundary. Demarcation of the boundary on the site is a separate detailed survey exercise that will entail a separate cost. We request clarity for conducting this exercise.	All necessary surveys needs to be done as part of the scope of the work. The conditions of the RfP remains unchanged.
39.	Clause No. 5.4.2.5	“The Consultant shall carry out a detailed physical site survey to map all relevant physical	We request clarity on the type of Topographic survey method – either total station survey or other methods	The conditions of the RfP remains unchanged.

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		features along with a topographic survey and/or any other survey.....”	like Drone survey are permissible. We request that this be specified as conducting a physical total station topographic survey will involve time and higher costs.	
40.	Clause No 6.8.2	“The client will release 60% payment due against a particular milestone if the comments/approval from the respective State Government is not received within 45 days...”	We request that this breakup be made 80:20. This is particularly requested as it impacts staffing and budgeting if the State Government Approvals do not come in time for the next deliverable.	The conditions of the RfP remains unchanged.
41.	Clause 6.8.1	“Consultancy fee will be paid in accordance with the submission and acceptance of following milestone by DMICDC and State/Nodal agencies...” Point 3	Base Mapping is a critical exercise which apart from survey mapping, includes analysis of revenue information for ownership. This is a time staking process. We request that the Base Map deliverable payment terms be revised to 10 percent of the total fee value.	The conditions of the RfP remains unchanged.
42.	Clause 6.8.1	“Consultancy fee will be paid in accordance with the submission and acceptance of following milestone by DMICDC and State/Nodal agencies...” Points 9 and 10	From our experience on older projects, we believe that Deliverable Nos 9 (Statutory Development Plan) and 10 (Notification of Final Master Plan) are a state issue and sometimes Notification of the master plan does not happen even after all the other Deliverables are completed. We request exclusion of these two deliverables and the payment terms be modified accordingly.	The conditions of the RfP remains unchanged.
43.	Clause 6.8.1	Deliverables and Timeframe	Based on experience from similar assignments it is felt that the time period given for completion of base map is insufficient and should be changed to at least 5 months considering the level of effort involved. Please consider. The total assignment duration maybe kept same by adjusting delivery time of other milestones.	The conditions of the RfP remains unchanged.
44.	Clause 6.8.1	“Consultancy fee will be paid in accordance with the submission and acceptance of following milestone by DMICDC and State/Nodal agencies...” Milestone No. 12	Preparation of Draft preliminary design report is a key deliverable in the assignment covering engineering designs, cost estimates, financial analysis and as such requires substantial resources and time. It is requested that payment against this milestone be revised to 10	The conditions of the RfP remains unchanged.

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			percent of the total fee value.	
45.	2.1.22 Project Office	Project Office: Consultant is advised to have their main Project Office at Kochi.	It would be more advisable to keep the project offices at the city near the site or in the city where State Nodal Agency is located for better coordination. Please confirm.	The conditions of the RFP remains unchanged.
46.	2.7.11-7 Scoring for eligible projects	Ongoing projects can be submitted with detail 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 the proof that the project is completed up to 80 percent through copy of invoice or payment received till date or through certificate from the respective client.	For large scale projects, 80% completed work is technically complete project. Request you to consider 100% scoring for all such projects. Please confirm. For large scale projects, 80% work is completed for prioritized phase which can be considered as technically complete project with Complete Master Plan of overall area. The invoice of Phasing may not be part of main contract. Request you to consider 100% scoring for all such projects.	The conditions of the RFP remains unchanged.
47.	2.9.4-a Project Experience	Experience in preparation of DPR (Detailed Project Report)/ Preliminary Design Report (PDR) for trunk infrastructure of Industrial/Residential Townships, SEZ's or Urban Infrastructure Projects spread over minimum 5 sq.km area with capital costs more than Rs. 500 Crore each on which the construction work has started. Experience of last ten years will only be considered.	Master Planning & engineering are Separate efforts which subsequently leads the project to enter in construction phase. However, initiation of construction is linked with various subsequent parameters beyond the control of master plan & engineering consultants. Request you to consider removing the phrase "on which the construction work has started" for project experience. Please confirm.	The conditions of the RFP remains unchanged.
48.	2.9.4-c Project Experience	Experience in preparation of Detailed Master Planning of SEZ, Industrial Park, Area Development, Smart City Project of similar nature of at least 5 sq.km. on which construction work has started. Experience of last ten years will only be considered. At least 1 out of the two	For other master planning & engineering projects, EIA and construction work are not always within the scope of the same consultant. Request you to revise the as follows: Experience in preparation of Detailed Master Planning of SEZ, Industrial Park, Area Development, Smart City	Please refer Corrigendum-I

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		projects shall be an international project. Minimum 1 project should also have the scope related to EIA studies and EIA clearance.	Project of similar nature of at least 5 sq.km. on which construction work has started. Experience of last ten years will only be considered. At least 1 out of the two projects shall be an international project. Minimum 1 project should also have the scope related to EIA studies and/or EIA clearance.	
49.	2.18.4 Key Staff	Consultants, who are executing ongoing mandates from DMICDC, must propose a separate team of key staff while bidding for this project.	Key staff for ongoing projects are not committed to the project for 100% time. Having prior experience with DMICDC provides the consultant with a deep understanding of the client, the statutory procedures as well as the vision of the project. With this mind, request you to kindly consider removal of this clause.	The conditions of the RfP remains unchanged.
50.	Form 3I Proof of completion of project	Projects without the proof of experience from client will not be considered for evaluation.	In the event that proof of experience from client cannot be made available due to lack of time, please allow LOA and self- declaration to claim as proof of experience.	Relevant evidence like CA certified payment details, pages of the contract agreement or other approvals given by the Client during or after completion of the project to substantiate the desired details will be accepted. However, the essence of the initial clause remains unchanged. The conditions of the RfP remains unchanged.
51.	Section 5 – Terms of Site Area Reference	Demarcated project area for the development of the proposed Industrial node.	Kindly share the project location with a map clarifying the area and attributes of the project site. Request you to provide the associated notification related to acquisition	Please refer Corrigendum-I

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			of project area.	
52.	5.1.1 Aim and objective of the assignment	Review the perspective plan/concept master plan and other available reports	Please share the reports and master plan for review	The consultants are requested to visit NICDC Office and study the available reports. The conditions of the RfP remains unchanged
53.	5.1.1 Aim and objective of the assignment	Prepare statutory plan for approval	We understand that consultant's role will be to coordinate with the Client, provide technical assistance in obtaining approval from the concerned authority. Please confirm.	The understanding is correct. The conditions of the RfP remains unchanged
54.	5.2.3 Structural designs and drawings	For all structural designs and drawings the consultant, at his own cost, shall get the proof check done by registered structural designer/engineer before submitting for the approval of the client. The cost of proof checking shall be borne by the consultant.	The scope of works envisage master planning and preliminary design engineering. The proof checking tasks comes under PMCM and EPC's scope. Kindly delete as this clause is beyond the scope of current assignment.	The conditions of the RfP remains unchanged.
55.	5.3.1.3	Conduct (1) Constructability Review and (2) Value Engineering session with stakeholders, the details of which would be provided by Client at a later date. Constructability is part of the design process. Constructability reviews during preliminary design consist of (a) viability of constructing the design as proposed i.e. can it be built in a cost-effective manner or are there better alternative (b) ensures incorporation of sustainability during construction (material sourcing, recycling, water usage, storage etc) (c) ensures environmental, health and safety practices as	Does the 'Constructability Review' include safety? This could be in the form of ensuring that the contractors can build this safety and also ensure that the design is safe for use.	The conditions of the RfP remains unchanged.

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		per program standards.		
56.	5.4.2.3 Validation of project boundary	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.	Request you to reconsider this. The consultant will procure all necessary data and submit to client for validation. Since revenue data is sensitive, the consultant cannot take ownership of validating the data. Please replace word "validate" with "verify".	The conditions of the RFP remains unchanged.
57.	5.7.1.1 Concept Plan options for proposed	Overall illustrative master plan at a scale of 1:2500 illustrating general delineation of proposed land uses, building massing, vehicular and pedestrian circulation, open space relationships, and development character	Request you consider removing the requirement for illustrative master plans for all three concept options. As per clause 5.8.1.1 the consultant shall provide the 1:2500 illustrative master plan for the selected option.	The conditions of the RFP remains unchanged.
58.	5.8.2.3 Development Control Regulations	Preparation of Statutory master plan shall include the following: 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 SPA or local authority as the case may be for approval of the master plan.	Kindly clarify if there is any existing DCR that has been prepared by the state that will govern the development.	The consultants are requested to kindly confirm with the State Government regarding any existing DCR Rules. The conditions of the RFP remains unchanged.
59.	5.9.1.3 Branding	Guidance for development of street and information signage according to branding guidelines and brand identity material established for the development	Kindly clarify who will provide the consultant with the required branding guidelines for this development.	The branding guidelines would have to be discussed with the State Government as part of Scope of Work. The conditions of the RFP remains unchanged.
60.	5.11.1.2 f) Contour Plans	Prepare contour information for proposed sub-grade for the total site. The level of accuracy shall not be less than that of input information.	The client is requested to kindly change the requirement of Proposed subgrade levels contour information to Finished Road Levels as the profiles of roads would be submitted with Finished Road Levels.	The conditions of the RFP remains unchanged.
61.	5.11.4.5	Geometric design: Road geometry should be	Since MX roads services are discontinued by Bentley	The consultant to use

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	Preliminary design for all roads	designed based on IRC guidelines and international codes also to be referred in case of any missing data. The preliminary design should support overall drainage of the site. Latest design software such as MX road has to be used for the same. Design analysis and any other software output has to be shared with the client.	services, the client is requested to allow Civil 3D or Open Roads as design softwares.	latest design softwares and versions for design.
62.	5.11.8.4 Preliminary design for power supply	a) Planning of Main Receiving Sub Stations (MRSS) and source of electricity within the overall framework of Industrial Area	Consultant presumes that the scope shall exclude design of External power connectivity from existing source substation to proposed industrial node which shall be by client/others. Please confirm	Scope includes design of External power connectivity from existing source substation to proposed industrial node. The conditions of the RfP remains unchanged.
63.	2.18.1 & 5.14.3 & 5.15.1 Total duration of the project, and project management during handholding period	Data Factsheet (Section 5, 5.5.2) states Duration of project: 30 months including the hand holding period of 6 months. 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 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. Deliverables and Timeframe table states period of handholding is 4 months post approval of GFCs.	Clause 2.18.1 states the hand holding period is 6 months, however the Deliverables and Timeframe Period table under Clause 5.15.1 states that the handholding period is for 4 months post approval of GFCs. Kindly clarify the total handholding period for detailed design and post approval of GFCs.	Please refer Corrigendum-I

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64.	5.14.3.2 Review of DD & GFC	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.	We understand that handholding period starts subsequent to hiring of EPC/DB contractors, therefore Project milestones beyond submission of Tender Packages are not under control of the consultants. Kindly clarify if any delay to such stages / milestones will be considered as extension of time and can be mutually discussed for appropriate variation at such point in time. If contracts under this study are awarded in various packages and phases over time, please confirm how the duration of consultant's timeline has been envisaged.	The conditions of the RfP remains unchanged.
65.	5.15.1 Deliverables and timeframe	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.	Request to consider other forms of editable soft copy files for submission, including but not limited to Adobe InDesign.	Adobe InDesign can be permitted in addition to the already mentioned softwares. The conditions of the RfP remains unchanged.
66.	5.15.1 Deliverables and timeframe	Notification of the final master plan – D+11 Months Final EIA clearance – D+13 Months	Consultant will provide the deliverables for notification and EIA clearance. The timelines of notification will be subject to due government processes. Request to replace the word 'notification' to 'submission of final master plan for notification'.	The conditions of the RfP remains unchanged.
67.	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.	The fees and rates quoted herein are exclusive of the Central Goods and Services Tax and State Goods and Services Tax / Integrated Goods and Services Tax, as may be applicable, which is to be reimbursed extra at the rates in force. Should there be any additional imposition of new taxes/ levies or change in the tax rate/ tax laws, the same shall be paid extra by client.	The conditions of the RfP remains unchanged.
68.	2.12.3	The Client will not normally consider substitutions except in cases of incapacity of key	There is a conflict of information between clause 2.12.3 and clause 6.6.2.1 of the RfP. In long tenure of	Refer Corrigendum-I.

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	<p>6.6.2.1 Removal and/or Replacement of Key Personnel</p>	<p>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 two (2) personnel and that too by only equally or better qualified and experienced personnel. During the course of providing services, substitution of key personnel in excess of two (2) Key Personnel would call for reduction in the remuneration, 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 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</p>	<p>consultancy and for the reasons beyond the control of consultants, it is requested to allow upto four (4) key personnel who can be replaced without any reduction of rates. Additionally, Clause 6.6.2.1 states that the team leader cannot be replaced. However, under certain extenuating circumstances, and reasons beyond the control of the consultant, kindly consider allowing the replacement of team leader.</p>	

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		<p>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.</p>		
69.	6.5.8 Insurance to be taken out by the Consultants:	<p>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 , 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,</p>	<p>We propose to maintain the requirement under an annually renewable insurance policy with an aggregate cap equivalent to the limit required under the Contract. We also propose to provide certificate of insurance from our insurers, as documentary evidence of insurance, which can be provided annually and on each renewal as documentary evidence of compliance. Will this be acceptable?</p> <p>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, 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 / renewing any insurance policy, required to be obtained and maintained under this , the Consultant shall furnish to the Client, copies of certificate of insurance from its insurers as documentary evidence of compliance with the contractual obligations. Such certificates will additionally confirm that the insurance premium have been paid in respect of such insurance. No insurance shall be cancelled, reduced below agreed limits or allowed to expire or lapse during the terms of this Contract. (iii) if the Consultant fails to effect and keep in</p>	<p>The conditions of the RfP remains unchanged.</p>

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		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.	force the aforesaid insurances for which it is responsible pursuant hereto, the Client will subject, to 15 days' notice to cure to the Consultant, 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 certificate of insurance provided shall mention the Client as the certificate holder.	
70.	6.8.2 Release payment of	The client will release 60% payment due against a particular milestone if the comments/approval from the respective State Government is not received within 45 days from the date of forwarding the report. Remaining 40% shall be released only after receipt of comments/approval from the concerned State Government/Nodal Agency.	Seeking approval from State government generally take/s time for the reasons not attributable to consultants. This affect the overall schedule and cash flows. In view of the same, we request you to change this percentage from 60% to 80% Kindly clarify the time limit for receiving comments/ approval from the concerned state government/ nodal agency. In the event that no comments are received, kindly clarify when the remaining payment shall be released.	The conditions of the RfP remains unchanged.
71.	6.10.1.2 General Conditions of Contract	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.	Consultant requests that since it is providing design services, it will re-perform its defective services but should not be obligated with repair and replacement related obligations which are par for the course for contractors. It is proposed to add following in this clause: Notwithstanding anything to the contrary in the Contract, Consultant shall in no event have liability for including but not limited to costs and expenses related to repair, replacement, addition or deletion of materials,	The conditions of the RfP remains unchanged.

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			facilities or equipment. Consultant makes no warranties, guarantees or representations express or implied in respect of or in connection with the Services. Implied warranties of fitness for a particular purpose and/or merchantability and/or satisfactory quality are hereby specifically excluded	
72.	6.13.2, General Conditions of contract: 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	Consultant would request that the indemnity obligations should be negligence based. It is proposed to add following in this clause: Notwithstanding anything to the contrary mentioned above or in this Contract, the indemnity obligations of the Consultant under this Contract shall be limited to the extent that it is caused by the Consultant's negligence.	The conditions of the RFP remains unchanged.

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		<p>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.</p>		
73.	<p>6.5.7 of Special Conditions of Contract: Limitation of the Consultants' Liability towards the Client</p>	<p>Limitation of the Consultants' Liability towards the Client: (a) Except in case of fraud 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: for any indirect or consequential loss or damage including loss of profit or revenue; and or 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</p>	<p>For clarity, we propose that term negligence be replaced by fraud and 'Wilful Misconduct' be defined. The definition for Wilful Misconduct has been included in the proposed clause. The limitation on liability shall be for all kinds of damages with the exclusion provided under points (i) and (ii). The Consultant proposed to limit the liability equal to the fee. Also, for clarity consequential losses should include loss of profit in it as well, hence the same has been suggested for consideration. It is proposed to add following in this clause: For the purpose of this clause, Wilful Misconduct shall mean intentionally and wrongfully causing harm by a member of Consultant's senior management personnel (being the Project Manager, the Project Engineering Manager, the Construction Manager or above).</p>	<p>The conditions of the RFP remains unchanged.</p>

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		Parties caused by the Consultants or any person or firm acting on behalf of the Consultants in carrying out the Services.		
74.	6.5.8 Risks and coverage	(b) Third Party liability insurance with a minimum coverage, for Rs.10,00,000/- (Rupees Ten Lakhs only) for the period of consultancy.	(b) Third Party liability insurance with coverage, for Rs.10,00,000/- (Rupees Ten Lakhs only) in the aggregate for the period of consultancy.	The conditions of the RFP remains unchanged.
75.	6.5.8 Risks and coverage	(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	The requirements are to maintain long term project specific professional indemnity, as a cost beneficial approach Halcrow proposes to use its annually renewable policy to support the project; will this be acceptable? The time period for such proposed liability should be in conjunction with the Defect Liability Period or for an additional 3 years period in line with limitation period under Indian laws. Please confirm. (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. Such policy will be further renewed annually for a period of three years beyond completion of Consultancy Services and shall be valid during the project period. (i) For an aggregate amount equivalent to the total payments for Professional Fees and Reimbursable Expenditures made or expected to be made to the Consultants hereunder. 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	The conditions of the RFP remains unchanged.

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		joint venture / in association entity and not by the individual partners of the joint venture/association.	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.	
76.	6.5.8 Risks and coverage	(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.	<p>We understand that the intention in requiring to ensure that such insurance is maintained as per statute and should be valid during the period when services are being provided.</p> <p>As such modify the same to:</p> <p>(d) Employer's liability and workers' compensation insurance shall be in respect of the Personnel of the Consultants, in accordance with the relevant revisions of the Applicable Law. The Consultant shall ensure the same for its Sub consultant. Additionally, the Consultant and its Sub consultant may maintain insurances with respect to such Personnel, any such life, health, accident, travel or other insurance as may be appropriate; and all insurances and policies should be valid during the project period as per relevant requirements of contract agreement.</p>	The conditions of the RfP remains unchanged.
77.	6.5.8 Risks and coverage	(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.	In order to clearly understand the requirements, we would suggest that the insurances required be listed with requested limits to avoid any ambiguity, so that the same can be mutually agreed by both parties.	The conditions of the RfP remains unchanged.
78.	6.8.1 Timeframe for receipt of comments	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	Kindly clarify the timeframe within which comments will be provided by the client. In situations where no comments are received within the said timeframe, the consultant shall assume that there are no comments for	The conditions of the RfP remains unchanged.

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		the delivery milestone. The comments of the client shall be incorporated in the scheduled deliverable.	the scheduled deliverable.	
79.	6.8.1 Milestones and fees payable	Statutory plan – 5% Notification of the final master plan – 10%	Request you to consider revising the payment structure as below. Statutory plan – 10% Notification of final master plan – 5% Submission of draft EIA report – 8% Final EIA Clearance – 2%	The conditions of the RfP remains unchanged.
80.	General General		Kindly provide the list of the prior reports/ studies and also clarify if all prior reports are available for review by the bidder.	The consultants are requested to visit NICDC Office and study the available reports. The conditions of the RfP remains unchanged
81.	Clause 2.18.1 Data Sheet, 2.7.6 Extension of Time	The last date of submission of Proposal is 20th March 2020 before 3:00 pm (IST).	In order to submit competitive bid including all quality compliances, we request extension of bid for 4 Weeks from issue of reply to queries / Addendum / Corrigendum.	Refer Corrigendum-I.
82.	Clause 2.7.11	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.	Kindly consider 100% marks for ongoing projects (upto 80%), which is the usual norm in similar bids. Kindly consider and confirm.	The conditions of the RfP remains unchanged.
83.	Clause 2.9.4 Min Qualification Criteria,	a) Experience in preparation of DPR (Detailed Project Report)/ Preliminary Design Report (PDR) for trunk infrastructure of Industrial/Residential Townships, SEZ's or Urban Infrastructure Projects spread over minimum 5 sq.km area with capital costs more than Rs. 500	Kindly include 'Preliminary Project Report' in addition to DPR (Detailed Project Report)/ Preliminary Design Report (PDR); We understand 'Urban Infrastructure' includes Water/Wastewater/Sewerage; (b) Urban Roads; (c) Flyover; (b) Public Transit/Bus Rapid Transit System.	The conditions of the RfP remains unchanged.

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Sl. No	Clause of RFP	Reference	Bidder Query	Reply to Query
		Crore each on which the construction work has started. Experience of last ten years will only be considered.	<p>Kindly confirm; We understand 'Project Management Consultancy' and/or 'Infrastructure Support' services which include 'design' as a key component would be eligible under this criterion; You may appreciate that proof of construction is difficult to be obtained from Clients with whom work has been completed long back. We would confirm that 'construction work has started' which DMICDC may get cross checked. Kindly consider and confirm; Since, only executed projects are being considered, request for relaxation of time period beyond 10 years, till about 15 years. Kindly consider and confirm.</p>	
84.	Clause 2.9.4 Min Qualification Criteria,	c) Experience in preparation of Detailed Master Planning of SEZ, Industrial Park, Area Development, Smart City Project of similar nature of at least 5 sq.km. on which construction work has started. Experience of last ten years will only be considered. At least 1 out of the two projects shall be an international project. Minimum 1 project should also have the scope related to EIA studies and EIA clearance.	<p>Smart City proposal preparation under Smart City Challenge may also be considered as eligible project under this criterion. Kindly consider and confirm, Detailed Master Planning would also include preparation of Statutory Master Plans and Zonal Plans of cities. Kindly confirm. Since, only executed projects are being considered, request for relaxation of time period beyond 10 years, till about 15 years. Kindly consider and confirm, With a plethora of Indian works of similar nature and complexity, we request DMICDC to remove the requirement of having an international project. Kindly consider and confirm. Since EIA clearance is a specialised work in itself, we request for making this a separate evaluation criterion.</p>	Refer Corrigendum-I.
85.	Clause 2.9.4 Min Qualification Criteria, Last	For Eligible Projects ('b'), ongoing projects completed to 80 percent can be considered.	We understand that ongoing projects upto 80% progress are eligible to be included under all the criteria. Kindly clarify.	The conditions of the RFP remains unchanged.

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Sl. No	Clause of RFP	Reference	Bidder Query	Reply to Query
	paragraph			
86.	Clause 2.9.5 Technical Evaluation Score, Pg 17	The firm should have undertaken / completed 5 nos of similar project of Master Planning and Preliminary Engineering for various trunk infrastructure components.	We suggest to have exclusive marking under statutory master planning and preliminary engineering, for instance; Experience in Preparation of Detailed Master Plans – 3 projects, 15 marks. Experience in preparation of Preliminary Engineering for various urban infrastructure components – 2 projects, 10 marks. Kindly consider and confirm.	The conditions of the RFP remains unchanged.
87.	Clause 2.7.3,	The team leader proposed must be permanent full-time employees of the firm.	We request DMICDC to remove the requirement of permanent full-time employee.	The conditions of the RFP remains unchanged.
88.	marking criteria for CVs	Overseas/ International experience-10%	We request DMICDC to remove the 10% weightage assigned to every key expert CV on international experience. Kindly consider and confirm.	The conditions of the RFP remains unchanged.
89.	marking criteria for CVs, Point D.	Association with the Firm-10%	We request for removal of weightage with respect to 'association with firm' especially in reference to Clause 2.7.3 wherein contractual employees are being allowed to be included as part of team. Kindly consider and confirm.	The conditions of the RFP remains unchanged.
90.	Clause 2.18.2 List of minimum key personnel/ staff	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	We feel 70 person months for key experts is grossly inadequate We estimate 130-160 person months of key experts and 250 support professionals will be needed for this assignment, atleast. Kindly consider and confirm.	The conditions of the RFP remains unchanged.
91.	Clause 5.4.2 Surveys and Investigations,	The consultant shall procure the data regarding land boundaries, topography, land acquisition etc.	Kindly suggest if the State Government can share with us the cadastral maps of the site, readily (at no cost) or Consultants have to obtain the same at their cost.	The conditions of the RFP remains unchanged.
92.	Clause 5.4.2 Surveys and Investigations	The consultants shall conduct traffic surveys.	Kindly suggest the minimum requirement for traffic volume count and origin-destination surveys.	The conditions of the RFP remains unchanged.

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93.	Clause 5.4.2 Surveys and Investigations	The consultants shall carry out geotechnical investigations and sub-surface explorations.....	Kindly suggest the minimum requirement for surveys.	All necessary surveys needs to be done as part of the scope of the work. The conditions of the RfP remains unchanged.
94.	Clause 5.14.4	Scope of Work for Environmental Impact Assessment for the project	Kindly provide a scoping for the baseline environmental surveys with regard to ambient air quality, water quality, noise quality and other social surveys, that the consultants may need to undertake.	Consultant shall under take Baseline surveys. The conditions of the RfP remains unchanged.
95.	Clause 6.6.2.1, Removal and/or Replacement of Key Personnel	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.	We request for removal of reduction in fees, in case of any substitution, due to genuine reasons. Kindly consider and confirm.	The conditions of the RfP remains unchanged.
96.	Clause 6.8,	The client will release 60% payment due against	Kindly consider to release 90% payment due against a	The conditions of the RfP

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	Payment to Consultants,	a particular milestone if the comments/approval from the respective State Government is not received within 45 days from the date of forwarding the report. Remaining 40% shall be released only after receipt of comments/approval from the concerned State Government/Nodal Agency.	particular milestone if comments/approval from the respective State Government is not received within 45 days from the date of forwarding the report. Kindly share with us the Nodal Agency of State Government for the projects.	remains unchanged.
97.			In case the consultants wish to submit applications for more than one node, may the same team be repeated across all the 3 bids. Kindly confirm.	No. The conditions of the RFP remains unchanged.
98.			Since this is a large bid kindly allow at least 2-3 weeks, post receipt of clarifications, for bid submission.	Refer Corrigendum-I.
99.	Cl. 2.1.21;	RFQ CUM RFP Processing Fee: The RFQ CUM RFP submissions shall be accompanied by a Bank Draft of USD 2,000.00 only (USD Two Thousand Only) or INR 1,00,000.00 (Indian Rupees One Lakh only) plus GST @18% in favour of "Delhi Mumbai Industrial Corridor Development Corporation Limited", payable at New Delhi, India, as a non-refundable RFQ CUM RFP processing fee	It is requested to allow making payment of the Processing fee via Online method (NEFT etc.) also. It is convenient for all bidders as well as promotes the idea of Digital India. If it is accepted, please provide the Bank account details for the same.	Refer Corrigendum-I.
100	Cl. 2.7.3, Sr. 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.	It is understood that the key personnel from the Indian subsidiary of that parent foreign company are also allowed to be fielded. Please confirm.	If the Applicant being a Consortium is qualified on the strength of the experience of a member which is a foreign company/ entity, Indian Subsidiary of that foreign entity shall also deploy requisite key personnel

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				<p>from that foreign company/ entity.</p> <p>The conditions of the RfP remains unchanged.</p>
101	Cl. 2.9.4; Sr. a);	<p>Experience in preparation of DPR (Detailed Project Report)/ Preliminary Design Report (PDR) for trunk infrastructure of Industrial/Residential Townships, SEZ's or Urban Infrastructure Projects spread over minimum 5 sq.km area with capital costs more than Rs. 500 Crore each on which the construction work has started. Experience of last ten years will only be considered.</p>	<p>It is requested that DPR/preliminary study/feasibility study of urban transit project like metro/BRTS/light rail with capital costs more than 500 Cr is also accepted as the eligible project under Category 'a'.</p> <p>Also experience of Project Management Consulting (PMC) for trunk infrastructure of Industrial/Residential Townships, SEZ's or Urban Infrastructure Projects spread over minimum 5 sq.km area with capital costs more than Rs. 500 Crore should be considered.</p>	<p>The conditions of the RfP remains unchanged.</p>
102	Cl. 2.9.4; Sr. b);	<p>Experience of engineering design of individual projects such as arterial/ collector/ local roads (typically 12m to 70m widths) or utility services (water supply, sewage disposal, drainage network, power supply including Transmission and Distribution network, including treatment plants) in an urban context with capital costs more than Rs. 100 crore each for Government / Semi Government Agency or private entity during last 10 years</p>	<p>Please clarify, if the individual project with capital costs more than Rs. 100 Cr. should consist of only one type of infrastructure project or can it have engineering design of multiple components viz road, water supply, and other utility services.</p> <p>It is requested that engineering design of infrastructure project having more than one component (e.g. roads, utility services) of an urban area should be considered as one project if its capital cost is more than 100 Crores.</p> <p>Also experience of PMC of individual projects such as arterial/ collector/ local roads (typically 12m to 70m widths) or utility services (water supply, sewage disposal, drainage network, power supply including Transmission</p>	<p>The conditions of the RfP remains unchanged.</p>

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			and Distribution network, including treatment plants) in an urban context with capital costs more than Rs. 100 crore be considered.	
103	Cl. 2.9.4; Sr. c);	Experience in preparation of Detailed Master Planning of SEZ, Industrial Park, Area Development, Smart City Project of similar nature of at least 5 sq.km. on which construction work has started. Experience of last ten years will only be considered. At least 1 out of the two projects shall be an international project. Minimum 1 project should also have the scope related to EIA studies and EIA clearance.	<p>It is requested that City level Master Plans should also be considered as eligible projects.</p> <p>It is also pertinent to note that: total area of 4000 acres (i.e.16.18 sq.km) is equivalent to small cities. TOR requires (refer Pg. no 62 of RFP) to “prepare statutory plan for approval by the State Town Planning department or the relevant local authority as may be applicable”</p> <p>Therefore, it is requested that experience of City level Master Plans should be considered as one of the eligible projects.</p>	Refer Corrigendum-I.
104	Cl. 2.9.5; Sr. a);	The firm should have undertaken / completed 5 nos of similar project of Master Planning and Preliminary Engineering for various trunk infrastructure components.	It is understood that Master Planning and preliminary engineering for trunk infrastructure can be of different projects. Hence, experience in 5 nos of projects of Master Planning and 5 nos of projects of preliminary engineering would also be considered for full marks. Please clarify.	The conditions of the RfP remains unchanged.
105	Cl. 2.18.3; Sr. 1);	Team Leader: Should have Master 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 Townships, SEZ’s, Industrial cities, etc. Should have experience of being Team Leader in at least 2 earlier similar projects. It is desirable	<p>Please allow Team Leader from any of the members of the consortium. It is requested to modify the condition as follows:</p> <p>“He/She should be a permanent employee of the any member of consortium firms”</p>	The conditions of the RfP remains unchanged.

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		to have international experience. The Team leader should be from the Lead member of the consortium. He/She should be a permanent employee of the firm.		
106	Cl. 2.18.3; Sr. 2);	Senior Urban Planner/Senior Master Planner: 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. At least 5 out of the 15 years' experience should be international experience in the planning and design of economic clusters or corridors, townships, or campus developments.	It is requested that international experience should be a desirable condition – as in case of Team Leader – and not a minimum criteria for eligibility by requiring at-least 5 years of international experience in the planning and design of economic clusters or corridors, townships, or campus developments. Also requested that additional marks should be given for international experience in economic development planning as the project requires planning based on Demand assessment of the proposed economic node. For this international experience by way of international qualification and project experience should be given 1 Marks out of 6 marks for this position.	The conditions of the RfP remains unchanged.
107	Cl. 2.18.3; Sr. 3);	Senior Infrastructure Planning / Engineer: Should be a Postgraduate in Infrastructure Planning/ Engineering or 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 cluster or corridors townships or campus developments.	It is requested that international experience should be a desirable condition – as in case of Team Leader – and not a minimum criteria for eligibility by requiring atleast 5 years of international experience in Infrastructure planning and designing of economic cluster or corridors townships or campus developments.	The conditions of the RfP remains unchanged.
108	Cl. 2.18.3; Sr. 4);	Urban Designer: Should be a Postgraduate in urban design or equivalent degree with relevant experience in	It is requested that international experience should be a desirable condition – as in case of Team Leader – and not a minimum criteria for eligibility by requiring at-least 3	The conditions of the RfP remains unchanged.

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		<p>master planning or urban design of integrated industrial townships, large campuses involving an economic component and mixed housing development.</p> <p>At least 3 out of the 10 years' experience should be international experience in the planning and urban design of economic clusters or corridors, townships, or campus developments.</p>	<p>years of international experience in the planning and urban design of economic clusters or corridors, townships, or campus developments.</p>	
109	<p>Clause 2.12.3, and Clause 6.6.2.1, Replacement of Key Personnel</p>	<p>Cl 2.12.3: 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 two (2) personnel and that too by only equally or better qualified and experienced personnel. During the course of providing services, substitution of key personnel in excess of two (2) Key Personnel would call for reduction in the remuneration, 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.</p> <p>and</p> <p>Cl 6.6.2.1: The Client will not normally consider</p>	<p>An ambiguity is observed between the aforesaid clauses regarding the replacement of Key personnel. Hence we request you to kindly consider the following:</p> <p>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 any further replacement of key personnel would call for a reduction of 2% of the original quoted rate. Thereafter reduction at the rate of 3% of the original quoted rates in respect of each subsequent replacement.</p>	<p>Please refer corrigendum-I</p>

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		<p>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.</p>		
110	Clause 2.18.4 of RFP	<p>D Association with the firm (10%) D1 – Full time of permanent staff (6%) D2 – Years of Associations (4%)</p>	<p>As most of the candidates need to have an international experience, Hence we are planning to identify and propose the best possible candidates. So, we request you to kindly delete this requirement of association with the firm, so the best suitable candidates can be proposed for this assignment.</p>	<p>The conditions of the RfP remains unchanged.</p>
111	Sl.no 9 of Clause 5.1.1: The objectives of the assignment, of RFP and	<p>To assist the Client in the process of selection of contractor(s) and provide technical assistance to Client during Detailed Design by the contractor(s) ensuring highest quality standards in implementation.</p>	<p>The payment towards approval of GFC is marked as 5% of the agreed Consultancy Fee. But it is pertinent to mention that the timely submission of Design and Drawings and project progress dependent on the progress of work by the Contractors. In the case of delay in approval of GFC (i.e., more than</p>	<p>The conditions of the RfP remains unchanged.</p>

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	Clause 6.8.1: Consultancy Fee, of RFP	#16: Approval of GFC's and handholding - 5 %	D+26 months), due to the Contractor, the Consultant would be affected due to such delay that are not attributable to him. As such, we request you to modify the same as: #16: Handholding - 5 % (Equally distributed over the period of D+20 (Selection of EPC/DB contractor(s) and D+30 (Hand holding) This handholding work is for a definite period of 6 months or till the end of the contract period. Nonetheless, the Consultant shall be obliged to carryout the approval of GFCs as per the Contract till the contract period.	
112	Clause 6.8.1: Consultancy Fee, of RFP And Clause 5.15: Deliverables and Timeframe , of RFP	10. Notification of the Final Master Plan – 10% of Payable Fee Duration: D (start date of assignment) +11 months	You may appreciate the point that the final approval of Master Plan shall involve numerous procedural works owing to compliances toward regulatory and statutory provisions. In this regard, We request you to kindly modify the clause as follows: 10. Approval of draft Notification of the Final Master Plan – 10% of Payable Fee	The conditions of the RfP remains unchanged.
113	Clause 6.8.2: Payments to the consultants, of RFP	The client will release 60% payment due against a particular milestone if the comments/approval from the respective State Government is not received within 45 days from the date of forwarding the report. Remaining 40% shall be released only after receipt of comments/ approval from the concerned State Government/Nodal Agency.	In the interest of the project the following modification is solicited: The payment of 60% after 45 days of non-receipt of comments/approval is very late as most of the milestones are within a short span of 1 month. The consultant would not be able to proceed further for the next milestone without the due approval of the previous milestones. Also, the Consultant would suffer from cash flow management as initial part of the assignment major involves surveys, procurement of maps, site mobilisation etc. Hence, we request you to split the payment as	The conditions of the RfP remains unchanged.

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			<p>below: 60% payment within 15 days of submission of deliverables. 40% within 30 days of comments/approval received from state government/Nodal Agency or within 45 days from the date of submission, whichever is earlier. Also, if the comments/approval for the respective milestone is not received within 30 days from the date of submission then the milestone may be deemed to be approved.</p>	
114	Clause 2.1.21, of RFP	<p>2.1.21 RFQ CUM RFP Processing Fee: The RFQ CUM RFP submissions shall be accompanied by a Bank Draft of USD 2,000.00 only (USD Two Thousand Only) or INR 1,00,000.00 (Indian Rupees One Lakh only) plus GST @18% in favour of “Delhi Mumbai Industrial Corridor Development Corporation Limited”, payable at New Delhi, India, 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 fee in the form of Bank Draft shall be submitted at the Client’s office before 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</p>	<p>We request you to kindly provide at least a day’s time after the online submission date to submit the hard copy of the processing fee, considering the logistic challenges.</p>	<p>The conditions of the RFP remains unchanged.</p>

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115	Clause 2.18.3, Qualification and competence of key staff, page 24 of RFP	The Team leader should be from the Lead member of the consortium. He/She should be a permanent employee of the firm	Since the engagement of the Team Lead is for a prolonged duration of 30 months, we request you to kindly consider contractual staff which shall ensure exclusive inputs from the personnels for the entire duration of the assignment.	The conditions of the RFP remains unchanged.
116	Clause 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.	We request you to kindly accept the General Power of Attorney of Authorized representative who is a also a director of the firm instead of proposed POA format in RFP.	The conditions of the RFP remains unchanged.
117	Clause 6.5.7, of RFP	Limitation of the Consultants' Liability towards the Client	We request you to kindly limit the maximum liability of consultant to 20% of the professional fees of the consultant.	The conditions of the RFP remains unchanged.
118	Clause 2.18.3, SI No.3, Qualification and competence of key staff, of RFP	Senior Infrastructure Planner/ Engineer Should be a Postgraduate in Infrastructure Planning/ Engineering or related field with relevant experience in Infrastructure Planning/ Designing of Integrated Industrial Townships, large campuses or area development projects	We request you to Kindly consider a Graduate/ Post graduate in Infrastructure Planning/Civil/Environmental/Engineering or related field with relevant experience in Infrastructure Planning/ Designing of Integrated Industrial Townships, large infrastructure project, large campuses or area development projects	The conditions of the RFP remains unchanged.
119	Clause 2.7.3, Point 10, of RFP	The completion certifications must confirm the project attributes (size, fee, duration etc) and the scope of work on the projects.	Sometimes the completion certificate doesn't contains all the information of project. In such cases please allow us to produce the supporting documents to prove the missing data/information.	Relevant evidence like CA certified payment details, pages of the contract agreement or other approvals given by the Client during or after completion of the project to substantiate the desired details will be accepted. However, the essence of the initial clause remains unchanged.

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				The conditions of the RfP remains unchanged.
120	Form 3D, 3E and 3F	<p>As per the Form 3D, 3E and 3F, the requirements states that: For a Joint Bidding Agreement executed and issued overseas, the document shall be legalized by the Indian Embassy and notarized in the jurisdiction where the Power of Attorney has been executed. For a Power of Attorney executed and issued overseas, the document will also have to be l/legalized by the Indian Embassy and notarized 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 Apostille certificate.</p>	Kindly relax this requirement as attestation from Indian embassy takes around 2 weeks. The documents legalized from Indian embassy may be accepted at the time of contract signing.	The conditions of the RfP remains unchanged.
121	Clause no. 5.5.1.1	Review Perspective Plan / Concept Master plan/other important document	Can DMICDC provide such documents and facilitate to source documents which are not available under public domain.	<p>The consultants are requested to visit NICDC Office and study the available reports</p> <p>The conditions of the RfP remains unchanged</p>
122	Background Section 5, TOR	An area of approximately 1520, 4000, 4000 Acres has been demarcated for Palakkad, Salem & Ponneri respectively.	<p>What would be the approximate deviation from this total area? Is it 10 - 20%?</p> <p>Since the area is scattered, there are maximum chances</p>	There will not be any deviations in terms of the project area.

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			of deviation that would be visible upon studying land details. To avoid major implication on the financial bid projections and later cash/operations implications we would like to know if this can go higher or lower. What would be the upper or lower limit.	The conditions of the RfP remains unchanged
123	Clause 5.4.2.1 Surveys & Investigations 5.5.1 High-Res 0.5/0.6 Satellite imagery from NRSC, Section 5 , TOR	Procurement of the satellite imagery is the responsibility of the consultant.	From our experience it takes min 3 months to get satellite imageries from NRSC. In some cases imagery procurement applications are rejected. and not sure if the required resolution will be available. Can DMICDC procure the image for faster assessment? Or Instead of Sat Imagery, it is requested to allow us Drone based surveys and outputs to prepare Base Maps. For a small area of 4000 acres it is advised for Drone survey. Kindly consider.	The conditions of the RfP remains unchanged.
124	Clause 5.4.2 Surveys and Investigations, Section 5 , TOR	Surveys and Investigations	Can DMICDC facilitate sourcing secondary data/information, provide authorisation letters to conduct primary surveys, also intimate the relevant authorities on such programs' requirement.	Necessary support can be provided by NICDC, however, the responsibility lies with the consultant as part of the Scope of Work. The conditions of the RfP remains unchanged.
125	Clause 5.4.2.3; 5.4.2.5, Section 5 , TOR	The consultant shall validate the project boundary and demarcation of the site; carry out detailed physical site survey	Past experiences in certain locations were tough due to locals disrupting survey activity as well as validation impacting on smooth progress/timelines of the project. Can DMICDC provide us relevant security during such activities?	The conditions of the RfP remains unchanged.

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126	Clause 5.4.2.4, Section 5 , TOR	Collect information related to Land Use	For the expected Master Plan and Preliminary Design, in a brown field area of Ponneri, adequate land use survey will be collected achieving not less than 85% accuracy. Kindly confirm.	The conditions of the RfP remains unchanged.
127	Clause 5.7.1.5, Section 5 , TOR	Preliminary 3 D sketches for design theme	Kindly confirm that the expectations are 3D sketches only not walk throughs and videos, since there could be many such design components. This will have a major time and resource implication. Hence clarify.	The conditions of the RfP remains unchanged.
128	Clause 5.7.1.6; 5.8.1.6, Section 5 , TOR	Bulk Metrics on a GIS platform	Can you elaborate your expectations on this? We assume these are attributes. Can you confirm on the 'bulk metrics' components?	The conditions of the RfP remains unchanged.
129	5.7.1 Section 5 , TOR	Three master plan options to be developed and presented with details of 5.7.1.1 to 5.7.1.7	If the 4000 acres of land is contiguous then 3 concepts are feasible. If land is not contiguous, then it is not viable to prepare 3 CMPs along with 5.7.1.1 to 5.7.1.7. Kindly confirm If the land is contiguous then attending 3 options for 5.7.1.5 and 5.7.1.6 are too cumbersome. It is suggested to amend that 5.7.1.5 and 5.7.1.6 to be attended to only after selection /approval of CMP. Kindly confirm.	The conditions of the RfP remains unchanged.
130	Clause 5.8.2.3, Section 5 , TOR	Preparation of Statutory MP shall include.....submission of the master plan to the SPA or local authority as the case may be for the approval of the master plan. Consultant shall provide necessary support in carrying out the due process requirements of the statutory adoption of the master plan.	Can you elaborate on the necessary support expected from the consultant?	The conditions of the RfP remains unchanged.
131	Clause 5.10 Section 5 , TOR	To develop GIS database for the entire MP operable in an ARCGIS 10.0 format.	ARCGIS 10.0 is an old version. Can we use the ARCGIS Pro to develop the GIS database and submit in ARCGIS Pro version? ARCGIS Pro provides greater flexibility and ease of use.	The consultant to use latest design softwares and versions for design.

REPLY TO PRE-BID QUERIES

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Sl. No	Clause of RFP	Reference	Bidder Query	Reply to Query
132	Form 4 B Page 59 of RFP	Total Cost of Financial Proposal (including GST)	We Request you to kindly review and modify to "Total Cost of Financial Proposal (including all taxes but excluding GST)". GST shall be kept as non-competitive price.	The conditions of the RFP remains unchanged.
133	Additional Information		Source of fund: Kindly clarify the source of fund towards the consultancy.	Consultancy will be funded by the client. The conditions of the RFP remains unchanged.
134	Clause 2.18.1, Sub clause 2.7.6 of RFP	Proposal Due Date: 20.03.2020	Please provide 3 weeks from the date of issue of the clarification to queries. Kindly extend the proposal due date accordingly	Please refer corrigendum-I
135	Clause 5.4.2.1 --	The consultant will be responsible for collecting basic information regarding the site, its surrounding and available infrastructure. The consultant shall procure the data regarding land boundaries, topography, land acquisition etc. Also, the procurement of the satellite imagery is the responsibility of the consultant. If additional data is needed, the client will support the consultant in terms of procurement of the data based on specific request by the consultants.	Please confirm the modality for claiming cost of topo survey and geo-tech investigation is to be borne by the consultant or the client.	The consultants are requested to carry out all necessary technical surveys/ investigations etc. as part of the scope of work. The conditions of the RFP remains unchanged.
136	Clause 5.4.2 –		The extent of survey to be carried out cannot be assessed at the bidding stage and the same will be covered as part of inception report as per RFP requirement. We request you to consider that all survey costs shall be considered as reimbursable against submission of actual bills.	The consultants are requested to carry out all necessary technical surveys/ investigations etc. as part of the scope of work. The conditions of the RFP remains unchanged.

REPLY TO PRE-BID QUERIES

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Sl. No	Clause of RFP	Reference	Bidder Query	Reply to Query
137	Clause 5.4.2.1 –	The consultant will be responsible for collecting basic information regarding the site, its surrounding and available infrastructure. The consultant shall procure the data regarding land boundaries, topography, land acquisition etc. Also, the procurement of the satellite imagery is the responsibility of the consultant. If additional data is needed, the client will support the consultant in terms of procurement of the data based on specific request by the consultants.	We request you to consider that all satellite imagery procurement costs shall be considered as reimbursable against submission of actual bills.	Responsibility of procuring satellite imagery along with its associated cost lies with the consultant. The conditions of the RfP remains unchanged.
138	General		Kindly confirm if the total project area proposed is already acquired and under possession of client/ stakeholder or if some parts are yet to be acquired.	The conditions of the RfP remains unchanged.
139	Clause 5.11.3 –	Transportation – Scope of works	Please confirm if there are any specific requirements for traffic assessment studies using tools like VISSUM or equivalent. Also please clarify the extent of traffic study area to be considered in terms of km- radius.	The conditions of the RfP remains unchanged
140	Clause 2.7.3, Sr. No. 1, Page 25	Team Leader The team leader proposed must be permanent full-time employees of the firm. The Team leader should be from the Lead member of the consortium.	We request the esteemed authority to kindly amend the clause as: The team leader proposed must be permanent full-time employees of the firm / resourced key professional from outside shall also be allowed. And The Team leader should be from the any member of the consortium.	The conditions of the RfP remains unchanged.
141	Clause 2.9.4 (a),	Experience in preparation of DPR (Detailed Project Report) / Preliminary Design Report (PDR) for trunk infrastructure of Industrial / Residential Townships, SEZ's or Urban Infrastructure Projects spread over minimum 5 sq.km area with capital costs more than Rs. 500	We request the esteemed authority to kindly amend the clause as: Experience in preparation of DPR (Detailed Project Report)/ Preliminary Design Report (PDR) / PMC for trunk infrastructure of Industrial / Residential Townships, SEZ's or Urban Infrastructure Projects spread over minimum 5 sq.km area with capital costs more than	The conditions of the RfP remains unchanged.

REPLY TO PRE-BID QUERIES

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Sl. No	Clause of RFP	Reference	Bidder Query	Reply to Query
		Creore each on which the construction work has started. Experience of last ten years will only be considered.	Rs. 500 Creore each on which the construction work has started. Experience of last ten years will only be considered.	
142	Clause 2.9.4 (b),	Experience of engineering design of individual projects such as arterial / collector / local roads (typically 12m to 70m widths) or utility services (water supply, sewage disposal, drainage network, power supply including Transmission and Distribution network, including treatment plants) in an urban context with capital costs more than Rs. 100 creore each for Government / Semi Government Agency or private entity during last 10 years.	We request the esteemed authority to kindly amend the clause as: Experience of engineering design / PMC of individual projects such as arterial / collector / local roads (typically 12m to 70m widths) or utility services (water supply, sewage disposal, drainage network, power supply including Transmission and Distribution network, including treatment plants) in an urban context with capital costs more than Rs. 100 creore each for Government / Semi Government Agency or private entity during last 10 years.	Please refer corrigendum-I
143	Clause 2.9.4 (b),	Experience in preparation of Detailed Master Planning of SEZ, Industrial Park, Area Development, Smart City Project of similar nature of at least 5 sq.km. on which construction work has started. Experience of last ten years will only be considered. At least 1 out of the two projects shall be an international project. Minimum 1 project should also have the scope related to EIA studies and EIA clearance.	We request the esteemed authority to kindly amend the clause as: Experience in preparation of Detailed Master Planning of SEZ, Industrial Park, Area Development, Smart City Project of similar nature of at least 5 sq.km. on which construction work has started. Experience of last ten years will only be considered.	Please refer corrigendum-I
144	Clause a;	Specific experience of the consultants related to the Assignment The firm should have undertaken / completed 5 nos. of similar project of Master Planning and Preliminary Engineering for various trunk infrastructure components. The said project experience shall comprise of at	We request the esteemed authority to kindly amend the statement as: The firm should have undertaken / completed 3 nos. of similar project of Master Planning and Preliminary Engineering for various trunk infrastructure components. The said project experience shall comprise of at least two	Please refer corrigendum-I

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Sl. No	Clause of RFP	Reference	Bidder Query	Reply to Query
		<p>least three different infrastructure components in the last ten years preceding the PDD, will be considered for the purpose of qualification. The infrastructure components that would be considered include:</p> <p>Roads Water supply Sewerage Drainage Integrated solid waste management Power/Energy ICT Infrastructure</p> <p>The emphasis will be on relevance of the projects to the assignment, size and nature of the projects i.e. of comparable size, complexity and technical specialty. It includes preparation of master plans and DPRs/preliminary engineering for industrial estates/ townships/ special economic zones / special investment zones/ area development plans. Minimum 1 project should also have the scope related to EIA studies and EIA clearance.</p> <p>For Eligible Projects, ongoing projects completed to 80 percent can be considered.</p>	<p>different infrastructure components in the last ten years preceding the PDD, will be considered for the purpose of qualification. The infrastructure components that would be considered include:</p> <p>Roads Water supply Sewerage Drainage Integrated solid waste management Power/Energy ICT Infrastructure</p> <p>The emphasis will be on relevance of the projects to the assignment, size and nature of the projects i.e. of comparable size, complexity and technical specialty. It includes preparation of master plans and DPRs/preliminary engineering for industrial estates/townships/ special economic zones / special investment zones/ area development plans. Minimum 1 project should also have the scope related to EIA studies and EIA clearance. For Eligible Projects, ongoing projects completed to 50 percent can be considered.</p>	
145	Clause No. 2.18.3; Sr. 1);	<p>Team Leader: Should have Master 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 Townships, SEZ's, Industrial cities, etc.</p>	<p>Please allow Team Leader from any of the members of the consortium. It is requested to modify the condition as follows:</p> <p>“He/She should be a permanent employee of the any member of consortium firms”</p>	<p>The conditions of the RfP remains unchanged.</p>

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Sl. No	Clause of RFP	Reference	Bidder Query	Reply to Query
		<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 should be from the Lead member of the consortium. He/She should be a permanent employee of the firm.</p>		
146	Clause No. 2.18.3; Sr. 2);	<p>Senior Urban Planner/Senior Master Planner: 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. At least 5 out of the 15 years' experience should be international experience in the planning and design of economic clusters or corridors, townships, or campus developments.</p>	<p>It is requested that international experience should be a desirable condition – as in case of Team Leader – and not a minimum criteria for eligibility by requiring at-least 5 years of international experience in the planning and design of economic clusters or corridors, townships, or campus developments.</p> <p>Also requested that additional marks should be given for international experience in economic development planning as the project requires planning based on Demand assessment of the proposed economic node. For this international experience by way of international qualification and project experience should be given 1 Marks out of 6 marks for this position.</p>	The conditions of the RFP remains unchanged.
147	Clause No. 2.18.3; Sr. 3);	<p>Senior Infrastructure Planning / Engineer: Should be a Postgraduate in Infrastructure Planning / Engineering or related field with relevant experience in Infrastructure Planning/ Designing of Integrated Industrial Townships, large campuses or area development projects.</p> <p>At least 5 out of the 15 years should be international experience in Infrastructure planning and designing of economic cluster or corridors townships or campus developments.</p>	<p>It is requested that international experience should be a desirable condition – as in case of Team Leader – and not a minimum criteria for eligibility by requiring at-least 5 years of international experience in Infrastructure planning and designing of economic cluster or corridors townships or campus developments.</p>	The conditions of the RFP remains unchanged.

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Sl. No	Clause of RFP	Reference	Bidder Query	Reply to Query
148	Clause No. 2.18.3; Sr. 4);	<p>Urban Designer: Should be a Postgraduate in urban design or equivalent degree with relevant experience in master planning or urban design of integrated industrial townships, large campuses involving an economic component and mixed housing development.</p> <p>At least 3 out of the 10 years' experience should be international experience in the planning and urban design of economic clusters or corridors, townships, or campus developments.</p>	It is requested that international experience should be a desirable condition – as in case of Team Leader – and not a minimum criteria for eligibility by requiring at-least 3 years of international experience in the planning and urban design of economic clusters or corridors, townships, or campus developments.	The conditions of the RfP remains unchanged.
149	Clause 2.7.6;	The last date of submission of Proposal is 20.03.2020 before 3:00 pm (IST).	We request the esteemed authority to kindly extend the submission date by at least 2 weeks from the date of receipt of the clarification.	Please refer Corrigendum-I.
150	Section 2 2.9.4 (a)	Experience in preparation of DPR (Detailed Project Report)/ Preliminary Design Report (PDR) for trunk infrastructure of Industrial/Residential Townships, SEZ's or Urban Infrastructure Projects spread over minimum 5 sq.km area with capital costs more than Rs. 500 Crore each on which the construction work has started. Experience of last ten years will only be considered.	<p>We request the criteria be amended as Experience in preparation of DPR (Detailed Project Report)/ Design /for Industrial corridors/ Residential Townships/ Commercial buildings/ data centers/hotels, SEZ's, Airports or Urban Infrastructure Projects spread over minimum 5 sq.km area with capital costs more than Rs. 300 Crore. Experience of last 10 years will only be considered.</p> <p>It is presumed that Airports/ Metro Projects, Metro Viaducts, Elevated Corridors, Flyovers, Rail Flyovers, metro stations shall be considered as Urban Infrastructure Projects for evaluation subject to the meeting the criteria of capital cost and years of experience. Please clarify</p> <p>It is assumed that the 5 sq. km area under urban context is referred to Urban Area. Please clarify Also request to amend the number of projects to 1 in all the minimum</p>	The conditions of the RfP remains unchanged.

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Sl. No	Clause of RFP	Reference	Bidder Query	Reply to Query
			eligibility criteria.	
151	Section 2 2.9.4 (b)	Experience of engineering design of individual projects such as arterial/ collector/ local roads (typically 12m to 70m widths) or utility services (water supply, sewage disposal, drainage network, power supply including Transmission and Distribution network, including treatment plants) in an urban context with capital costs more than Rs. 100 crore each for Government /Semi Government Agency or private entity during last 10 years.	We request the criteria to be amended as "Experience of engineering design of individual projects such as arterial/ collector/ local roads/ rural roads (typically 12m to 70m widths), elevated corridor/ Bridges/ Flyovers/ Rail Flyovers/ Viaducts or utility services (water supply, sewage disposal, drainage network, power supply including Transmission and Distribution network, including treatment plants) in an urban context with capital costs more than Rs. 100 crore each for Government/Semi Government Agency or private entity during last 15 years". Also request to amend the number of projects to 1 in all the minimum eligibility criteria.	The conditions of the RFP remains unchanged.
152	Section 2 2.9.4 (c)	Experience in preparation of Detailed Master Planning of SEZ, Industrial Park, Area Development, and Smart City Project of similar nature of at least 5 sq.km. on which construction work has started. Experience of last ten years will only be considered. At least 1 out of the two projects shall be an international project. Minimum 1 project should also have the scope related to EIA studies and EIA clearance.	We request the criteria to amended as "Experience in preparation of Detailed Master Planning of SEZ, Industrial Park, Area Development, Airport, Smart City Project of similar nature of atleast 5 sq.km. Experience of last ten years will only be considered. At least 1 out of the two projects shall be an international project. Minimum 1 project should also have the scope related to EIA studies and EIA clearance. Also request to amend the number of projects to 1 in all the minimum eligibility criteria. Also request to amend the number of projects to 1 in all the minimum eligibility criteria.	Please refer Corrigendum-I.
153	Form 3D	Joint venture/consortium participation in tender.	Please kindly specify how many consortium/joint venture partners are allowed to participate in the tender.	Kindly refer Clause 2.6.8 of the RfQ cum RFP document.

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Sl. No	Clause of RFP	Reference	Bidder Query	Reply to Query
				The conditions of the RfP remains unchanged.
154	Section 2 2.9.4 (c)	The Team leader should be from the Lead member of the consortium. He/She should be a permanent employee of the firm	The Team leader should be a permanent employee of the firm	The conditions of the RfP remains unchanged.
155	Section 2. Instructions to Consultants 2.7 Preparation of proposal, 2.7.3 – Point 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.	Request you to please clarify the minimum number of key personnel required to be proposed from that foreign company/ entity.	The conditions of the RfP remains unchanged.
156	Section 2. Instructions to Consultants 2.9 Proposal evaluation, 2.9.4 Minimum Qualification Criteria, 2.9.5 Technical Evaluation Criteria,	In Minimum Qualification Criteria - No. of Projects asked are 3+3+2 = 8 Projects Evaluation Criteria - Points mentioned are 25 (Max. of 5 projects to be submitted)	The minimum qualification criteria are divided into three parts and the no of projects also mentioned. In the technical evaluation (marking) criteria all are clubbed in to one and the maximum no of projects to be submitted are mentioned as 5. The above two clauses are not matching. Can you please clarify.	The conditions of the RfP remains unchanged.
157	2.18 Tentative schedule for selection process 2.18.3 Qualification and competence of key staff	3. Senior Infrastructure Planner/ Engineer Should be a Postgraduate in Infrastructure Planning/ Engineering or 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	We understand that who has done master's in urban/regional/town planning or civil engineering can propose against this position. Please confirm.	The conditions of the RfP remains unchanged.

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Sl. No	Clause of RFP	Reference	Bidder Query	Reply to Query
		international experience in Infrastructure planning and designing of economic cluster or corridors townships or campus developments.		
158	Section 2. Instructions to Consultants 2.18.1 Data Sheet	2.7.6 The last date of Submission of Proposal is 20.03.2020 before 3:00 pm (IST). The address for submission of Proposal is, CEO & Managing Director, Delhi Mumbai Industrial Corridor Development Corporation Limited, 8th Floor, Tower-1, LIC, Jeevan Bharti Building, Connaught Place, New Delhi-110001, India	In order to submit a competitive and comprehensive proposal, involvement of highly experienced experts with very specific criteria is required, hence it is requested to extend the submission deadline by at least 4 weeks.	Please refer corrigendum-I
159		General Query	As International projects are needed for qualification and technical evaluation and projects are spread across different geographic locations and owned by the respective offices in the project locations, it will not be possible to create consortium with each of those offices. Therefore, we request you to kindly allow to use Parent Firm Qualification (of which the Bidder is a wholly owned subsidiary) for the purpose of Minimum Eligibility and Technical Evaluation criteria.	The conditions of the RfP remains unchanged.
160	Form 3B:	Projects experience without the client certificate will not be evaluated	As internationally, it is not a common practice to get completion certificate from the client, most of the projects does not have any completion or client reference certificates. Therefore request you to kindly allow us to show work order or contract and self-certification by Chief Financial Officer or company Secretary or Authorised Signatory of the Firm.	The conditions of the RfP remains unchanged.
161	Form 3I:	Applicant's experience: Projects without the proof of experience from		

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Sl. No	Clause of RFP	Reference	Bidder Query	Reply to Query
		client will not be considered for evaluation.		
162	2.9.5 Technical Evaluation Criteria:	<p>(a) Specific experience of the consultants related to the Assignment The firm should have undertaken / completed 5 nos of similar project of Master Planning and Preliminary Engineering for various trunk infrastructure components. The said project experience shall comprise of at least three different infrastructure components in the last ten years preceding the PDD, will be considered for the purpose of qualification. The infrastructure components that would be considered include:</p> <ul style="list-style-type: none"> • Roads • Water supply • Sewerage • Drainage • Integrated solid waste management • Power/Energy • ICT Infrastructure <p>The emphasis will be on relevance of the projects to the assignment, size and nature of the projects i.e. of comparable size, complexity and technical specialty. It includes preparation of master plans and DPRs/preliminary engineering for industrial estates/townships/ special economic zones / special investment zones/ area development plans. Minimum 1 project should also have the scope related to EIA studies and EIA clearance.</p> <p>For Eligible Projects, ongoing projects completed to 80 percent can be considered.</p>	<p>In line with Clause 2.9.4 Minimum Qualification Criteria, please include separate marking criteria for projects pertaining:</p> <p>a & b) Detailed Project Report/ Preliminary Design Report for trunk infrastructure & Engineering design of individual projects</p> <p>c) Preparation of Detailed Master Planning with suggested marking criteria as: Minimum 2 projects in each criteria subject to a maximum of 5 projects together.</p>	Please refer corrigendum-I

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Sl. No	Clause of RFP	Reference	Bidder Query	Reply to Query
		(Max. of 5 projects to be submitted)		
163	Form 3C: Pre-qualification Proposal	(Average Annual Turnover of Applicant) Certificate from the Statutory Auditor	Request to consider certificate from Chief Financial Officer.	The conditions of the RfP remains unchanged.
164	2.1.22 Project Office	Consultant is advised to have their main Project Office at Chennai / Ponneri	Request to allow us to submit an undertaking to establish a project office within 60 days on successful award of the project.	The conditions of the RfP remains unchanged.
165		9. A CV shall be summarily rejected if the educational qualification of the key personnel proposed does not match with the requirement as given in the RFQ CUM RFP.	As sometimes degrees provided by International universities are not similar to each other, kindly allow equivalent educational qualifications for the respective positions	The conditions of the RfP remains unchanged.
166		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	We request you to kindly allow to use Parent Firm Qualification (of which the Bidder is a wholly owned subsidiary) for the purpose of Pre-Qualification and Technical evaluation	The conditions of the RfP remains unchanged.
167	2.18.3 Qualification and competence of key staff	Team Leader Minimum No. of years of Professional Experience: 20	Requesting to kindly modify the minimum no. of years of Professional Experience to 15 years	The conditions of the RfP remains unchanged.
168		Senior Urban Planner / Senior Master Planner Minimum No. of years of Professional Experience: 15 At least 5 out of the 15 years' experience should be international experience	Requesting to kindly modify the minimum no. of years of Professional Experience to 12 years and minimum international experience to 3 years Or Experience in 5 international projects	The conditions of the RfP remains unchanged.
169		Senior Infrastructure Planner/ Engineer Minimum No. of years of Professional Experience: 15 At least 5 out of the 15 years' experience should be international experience	Requesting to kindly modify the minimum no. of years of Professional Experience to 12 years and minimum international experience to 3 years Or Experience in 5 international projects	The conditions of the RfP remains unchanged.
170		Urban Designer Minimum No. of years of Professional	Requesting to kindly modify the minimum international experience to 2 years	The conditions of the RfP remains unchanged.

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Sl. No	Clause of RFP	Reference	Bidder Query	Reply to Query
		Experience: 10 At least 3 out of the 10 years' experience should be international experience	Or Experience in 3 international projects	
171		Structural Engineer (Roads and bridges) Minimum No. of years of Professional Experience: 15	Requesting to kindly modify the minimum no. of years of Professional Experience to 10 years	The conditions of the RfP remains unchanged.
172		Transportation / Roads Expert Minimum No. of years of Professional Experience: 15	Requesting to kindly modify the minimum no. of years of Professional Experience to 10 years	The conditions of the RfP remains unchanged.
173		Transportation Planner Minimum No. of years of Professional Experience: 15	Requesting to kindly modify the minimum no. of years of Professional Experience to 10 years	The conditions of the RfP remains unchanged.

CORRIGENDUM – 1

Preparation Of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for Ponneri Industrial Area in Tamil Nadu under CBIC Project

SN	Clause No./ Reference	Original Clause	To be read as												
1.	Clause 2.18.1 Data Sheet Clause 2.1.1	The name of Client is: “Delhi Mumbai Industrial Corridor Development Corporation Limited”.	The name of Client is: “ National Industrial Corridor Development Corporation Limited”.												
2.	General		Read “GST” instead of “Service Tax”												
3.	2.18.1 Data sheet 2.7.6	The last date of submission of Proposal is 20th March, 2020 before 3:00 PM (IST). All submissions must be made online only on CPP Portal.	The last date of submission of Proposals 13th April 20th March , 2020 before 3:00 PM (IST). All submissions must be made online only on CPP Portal.												
4.	Section 5. ToR	An area of approximately 4000 acres has been demarcated for the development of the Ponneri Industrial Area.	An area of approximately 4,480 acres has been demarcated for the development of the Ponneri Industrial Area. Please refer “ Annexure-A ” and “ Annexure-B ” of Corrigendum - I												
5.	5.4.2 Surveys and investigations	5.5 Detailed scope of services for Part C: Technical Assessments, Market Survey and Demand Assessments, and Financial Feasibility Model 5.5 Detailed Scope of Services for Part D: Preparation of Final Base Map	Please refer “ Annexure-B ” of Corrigendum - I												
6.	2.9.4-c	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">S. No</th> <th style="text-align: center;">Minimum Qualification Criteria</th> <th style="text-align: center;">No. of Projects</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">a)</td> <td>Experience in preparation of DPR (Detailed Project Report)/ Preliminary Design Report (PDR) for trunk infrastructure of Industrial/Residential Townships, SEZ’s or Urban Infrastructure Projects spread over minimum 5 sq.km area with capital costs more than Rs. 500 Crore each on which the</td> <td style="text-align: center;">3</td> </tr> </tbody> </table>	S. 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/Residential Townships, SEZ’s or Urban Infrastructure Projects spread over minimum 5 sq.km area with capital costs more than Rs. 500 Crore each on which the	3	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">S. No</th> <th style="text-align: center;">Minimum Qualification Criteria</th> <th style="text-align: center;">No. of Projects</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">a)</td> <td>Experience in preparation of DPR (Detailed Project Report)/ Preliminary Design Report (PDR) for trunk infrastructure of Industrial/Residential Townships, Smart City Project, SEZ’s or Urban Infrastructure Projects spread over minimum 5 sq.km area with capital costs more than Rs. 500 Crore each on which</td> <td style="text-align: center;">3</td> </tr> </tbody> </table>	S. 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/Residential Townships, Smart City Project , SEZ’s or Urban Infrastructure Projects spread over minimum 5 sq.km area with capital costs more than Rs. 500 Crore each on which	3
S. No	Minimum Qualification Criteria	No. of Projects													
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S. No	Minimum Qualification Criteria	No. of Projects													
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CORRIGENDUM – 1

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SN	Clause No./ Reference	Original Clause		To be read as	
			construction work has started. Experience of last ten years will only be considered.		the construction work has started. Experience of last ten years will only be considered.
		b)	Experience of engineering design of individual projects such as arterial/ collector/ local roads (typically 12m to 70m widths) or utility services (water supply, sewage disposal, drainage network, power supply including Transmission and Distribution network, including treatment plants) in an urban context with capital costs more than Rs. 100 crore each for Government / Semi Government Agency or private entity during last 10 years.	3	b) Experience of engineering design of individual projects such as arterial/ collector/ local roads (typically 12m to 70m widths) or utility services (water supply, sewage disposal, drainage network, power supply including Transmission and Distribution network, including treatment plants) in an urban context with capital costs more than Rs. 100 crore each for Government / Semi Government Agency or private entity during last 10 years.
		c)	Experience in preparation of Detailed Master Planning of SEZ, Industrial Park, Area Development, Smart City Project of similar nature of at least 5 sq.km. on which construction work has started. Experience of last ten years will only be considered. At least 1 out of the two projects shall be an international project. Minimum 1 project should also have the scope related to EIA studies and EIA clearance.	2	c) Experience in preparation of Detailed Master Planning of SEZ, Industrial Park, Industrial/ Residential Townships Area Development , Smart City Project of similar nature of at least 5 sq.km. on which construction work has started. Experience of last ten years will only be considered. At least 1 out of the two projects shall be an international project.
		d)	Average annual turnover for last 3 financial years	Rs. 100 Crore	d) Project related to EIA studies and EIA clearance in last 5 years
		Projects 'a' 'b' and 'c' shall be collectively referred to as		Projects 'a' 'b' and 'c' shall be collectively referred to as "Eligible Projects". For Eligible Projects, ongoing projects completed to	

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SN	Clause No./ Reference	Original Clause	To be read as															
		<p>“Eligible Projects”. For Eligible Projects, ongoing projects completed to 80 percent 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.</p>	<p>80 percent 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.</p>															
7.	6.6.2.1	<p>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.</p>	<p>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 two (2) 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.</p>															
8.	6.8.1 Consultancy fee will be paid in accordance with the submission and acceptance of following milestone by DMICDC and	<table border="1" data-bbox="501 1153 1265 1362"> <thead> <tr> <th data-bbox="501 1153 573 1278">S. No</th> <th data-bbox="573 1153 1106 1278">Milestone</th> <th data-bbox="1106 1153 1265 1278">Fee Payable (%)</th> </tr> </thead> <tbody> <tr> <td data-bbox="501 1278 573 1362">1</td> <td data-bbox="573 1278 1106 1362">Inception report and Quality Assurance Plan</td> <td data-bbox="1106 1278 1265 1362">5</td> </tr> </tbody> </table>	S. No	Milestone	Fee Payable (%)	1	Inception report and Quality Assurance Plan	5	<table border="1" data-bbox="1292 1153 2098 1362"> <thead> <tr> <th data-bbox="1292 1153 1366 1278">S. No</th> <th data-bbox="1366 1153 1933 1278">Milestone</th> <th data-bbox="1933 1153 2098 1278">Fee Payable (%)</th> </tr> </thead> <tbody> <tr> <td data-bbox="1292 1278 1366 1321">1</td> <td data-bbox="1366 1278 1933 1321">Inception report and Quality Assurance Plan</td> <td data-bbox="1933 1278 2098 1321">5</td> </tr> <tr> <td data-bbox="1292 1321 1366 1362">2</td> <td data-bbox="1366 1321 1933 1362">Market demand analysis and preliminary</td> <td data-bbox="1933 1321 2098 1362">5</td> </tr> </tbody> </table>	S. No	Milestone	Fee Payable (%)	1	Inception report and Quality Assurance Plan	5	2	Market demand analysis and preliminary	5
S. No	Milestone	Fee Payable (%)																
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SN	Clause No./ Reference	Original Clause			To be read as				
	State/Nodal agencies:	2	Market demand analysis and preliminary financial model	5		financial model			
		3	Final Base map	5	3	Final Base map	5		
		4	Land capability analysis and technical assessment report	10	4	Land suitability capability analysis and technical assessment report	10		
		5	Preliminary master plan report	5	5	Preliminary master plan report	5		
		6	Final Master plan report	10	6	Final Master plan report and preliminary financial model	10		
		7	Urban design guidelines	5	7	Urban design / Landscaping / Branding guidelines	5		
		8	Final plot control sheets	5	8	Final plot control sheets	5		
		9	Statutory plan	5	9	Statutory plan	5		
		10	Notification of the final master plan	10	10	Notification of the final master plan	10		
		11	Design basis report	5	11	Design basis report	5		
		12	Draft preliminary design report including detailed economic analysis along with costing	5	12	Draft preliminary design report including detailed economic analysis along with costing	5		
		13	Final EIA clearance	10	13	Final EIA clearance	10		
		14	Final preliminary design report with 3D model and tender packages	5	14	Final preliminary design report with 3D model and tender packages & BIM model	5		
		15	Selection of EPC/DB contractor(s)	5	15	Selection of EPC/DB contractor(s)	5		
		16	Approval of GFC's and handholding	5	16	Approval of GFC's and handholding and assistance to client	5		
				D*-Start date of assignment			D*-Start date of assignment		
		9.	Data Sheet	Section 5, 5.5.2 Duration of project: 30 months including the hand holding period of 6 months			Duration of project: 30 months including the hand holding period of 4 months		
10.	2.9.5 Technical	Clause	Evaluation Criteria	Points	Clause	Evaluation Criteria	Points		

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SN	Clause No./ Reference	Original Clause		To be read as			
	Evaluation Criteria:	(a)	<p>Specific experience of the consultants related to the Assignment</p> <p>The firm should have undertaken / completed 5 nos of similar project of Master Planning and Preliminary Engineering for various trunk infrastructure components.</p> <p>The said project experience shall comprise of at least three different infrastructure components in the last ten years preceding the PDD, will be considered for the purpose of qualification. The infrastructure components that would be considered include:</p> <ul style="list-style-type: none"> • Roads • Water supply • Sewerage • Drainage • Integrated solid waste management • Power/Energy • ICT Infrastructure <p>The emphasis will be on relevance of the projects to the assignment, size</p>	25 (Max. of 5 projects to be submitted)	(a)	<p>Specific experience of the consultants related to the Assignment</p> <p>The firm should have undertaken / completed 5 nos of similar project of Master Planning and Preliminary Engineering for various trunk infrastructure components.</p> <p>The said project experience shall comprise of at least three different infrastructure components in the last ten years preceding the PDD, will be considered for the purpose of qualification. The infrastructure components that would be considered include:</p> <ul style="list-style-type: none"> • Roads • Water supply • Sewerage • Drainage • Integrated solid waste management • Power/Energy • ICT Infrastructure <p>The emphasis will be on relevance of the projects to the assignment, size and</p>	25 (Max. of 5 projects to be submitted)

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SN	Clause No./ Reference	Original Clause		To be read as	
			<p>and nature of the projects i.e. of comparable size, complexity and technical specialty. It includes preparation of master plans and DPRs/preliminary engineering for industrial estates/townships/ special economic zones / special investment zones/ area development plans. Minimum 1 project should also have the scope related to EIA studies and EIA clearance.</p> <p>For Eligible Projects, ongoing projects completed to 80 percent can be considered.</p>		<p>nature of the projects i.e. of comparable size, complexity and technical specialty. It includes preparation of master plans and DPRs/preliminary engineering for industrial estates/townships/ special economic zones / special investment zones/ area development plans.</p> <p>1 Project seperately related to EIA studies and EIA clearance in last 5 years also to be submitted.</p> <p>For Eligible Projects, ongoing projects completed to 80 percent can be considered.</p>
		(b)	<p>Adequacy of the proposed work plan and methodology in response to the TOR (followed by presentation, if desired by evaluation committee)</p> <ul style="list-style-type: none"> • Project appreciation and understanding of assignment • Project approach and methodology • Duties and responsibilities of the team leader and other key personnel • Work plan and manning schedule 	25	<p>(b) Adequacy of the proposed work plan and methodology in response to the TOR (followed by presentation, if desired by evaluation committee)</p> <ul style="list-style-type: none"> • Project appreciation and understanding of assignment • Project approach and methodology • Duties and responsibilities of the team leader and other key personnel • Work plan and manning schedule

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SN	Clause No./ Reference	Original Clause			To be read as		
		(c)	Qualification and competence of the key staff for the Assignment	50	(c)	Qualification and competence of the key staff for the Assignment	50
11.	2.7.3. Technical Proposal	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 key staff along with his current employer must be furnished mentioning his/ her availability for the project. In the absence of such certificate, his/ her CV will not be evaluated.			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 along with his current employer must be furnished mentioning his/ her availability for the project. In the absence of such certificate, his/ her CV will not be evaluated.		
12.	2.1.21	RFQ CUM RFP Processing Fee: The RFQ CUM RFP submissions shall be accompanied by a Bank Draft of USD 2,000.00 only (USD Two Thousand Only) or INR 1,00,000.00 (Indian Rupees One Lakh only) plus GST @18% in favour of “Delhi Mumbai Industrial Corridor Development Corporation Limited”, payable at New Delhi, India, 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 Bank Draft shall be submitted at the Client’s office before 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.			RFQ CUM RFP Processing Fee: The RFQ CUM RFP submissions shall be accompanied by a Bank Draft of USD 2,000.00 only (USD Two Thousand Only) or INR 1,00,000.00 (Indian Rupees One Lakh only) plus GST @18% in favour of “ Delhi Mumbai National Industrial Corridor Development Corporation Limited”, payable at New Delhi, India, as a non-refundable RFQ CUM RFP processing fee (the “RFQ CUM RFP Processing Fee”). The processing fees can be transferred online as per the following details: Account Name:- National Industrial Corridor Development Corporation Ltd Bank Name:- Central Bank of India Account Number:- 3382758503 IFSC Code:- CBIN0280298 Branch Name:- Hotel Ashok, Chanakya Puri. 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 details shall be submitted		

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SN	Clause No./ Reference	Original Clause	To be read as
			online at the time of submission of bid proposals. The hard copy of the processing in the form of Bank Draft shall be submitted at the Client’s office before 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.
13.	2.5 Bid Security	<p>2.5.1 A bid security in the form of a Demand Draft/ Bank Guarantee, from a scheduled Indian Bank in favour of ‘Delhi Mumbai Industrial Corridor Development Corporation Limited’, valid for 180 (one hundred and eighty) days from the PDD, payable at New Delhi, for the sum of Rs 10,00,000/- (Rupees Ten Lakh Only) shall be required to be submitted by each Applicant (“Bid Security”).</p> <p>2.5.2 The scanned copy of the bid security shall be submitted online at the time of submission of bid proposals. The hard copy of the bid security in the form of Bank Guarantee shall be submitted at the Client’s office before 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.</p>	<p>2.5.1 A bid security in the form of a Demand Draft/ Bank Guarantee, from a scheduled Indian Bank in favour of ‘Delhi Mumbai National Industrial Corridor Development Corporation Limited’, valid for 180 (one hundred and eighty) days from the PDD, payable at New Delhi, for the sum of Rs 10,00,000/- (Rupees Ten Lakh Only) shall be required to be submitted by each Applicant (“Bid Security”).</p> <p>The Bid Security can be transferred online as per the following details:</p> <p>Account Name:- National Industrial Corridor Development Corporation Ltd</p> <p>Bank Name:- Central Bank of India</p> <p>Account Number:- 3382758503</p> <p>IFSC Code:- CBIN0280298</p> <p>Branch Name:- Hotel Ashok, Chanakya Puri.</p> <p>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 Bank Guarantee shall be submitted at the Client’s office before 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.</p>
14.	Section 5 TOR	Deliverables and Timeframe:	Deliverables and Timeframe:

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SN	Clause No./ Reference	Original Clause			To be read as		
		S. No	Milestone	Duration	S. No	Milestone	Duration
		1	Inception report and Quality Assurance Plan	D+15 days	1	Inception report and Quality Assurance Plan	D+15 days
		2	Market demand analysis	D+1.5 month	2	Market demand analysis	D+1.5 month
		3	Final Base map	D+3 months	3	Final Base map	D+3 months
		4	Land capability analysis and technical assessment report	D+4 months	4	Land suitability capability analysis and technical assessment report	D+4 months
		5	Preliminary master plan report	D+5 months	5	Preliminary master plan report	D+5 months
		6	Final Master plan report and preliminary financial model	D+8 months	6	Final Master plan report and preliminary financial model	D+8 months
		7	Urban design guidelines	D+8 months	7	Urban design / Landscaping / Branding guidelines	D+8 months
		8	Final plot control sheets	D+9 months	8	Final plot control sheets	D+9 months
		9	Statutory plan	D+10 months	9	Statutory plan	D+10 months
		10	Notification of the final master plan	D+11 months	10	Notification of the final master plan	D+11 months
		11	Design basis report	D+11 months	11	Design basis report	D+11 months
		12	Draft preliminary design report including detailed economic analysis	D+13 months	12	Draft preliminary design report including detailed economic analysis along with	D+13 months

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SN	Clause No./ Reference	Original Clause			To be read as		
					costing		
		13	Final EIA clearance	D+13 months	13	Final EIA clearance	D+13 months
		14	Final preliminary design report with 3D model and tender packages	D+15 months	14	Final preliminary design report with 3D model and tender packages & BIM model	D+15 months
		15	Selection of EPC/DB contractor(s)	D+20 months	15	Selection of EPC/DB contractor(s)	D+20 months
		16	Approval of GFC's	D+26 months	16	Approval of GFC's	D+26 months
		17	Hand holding	D+30 months	17	Hand holding and assistance to client	D+30 months
		D*-Start date of assignment			D*-Start date of assignment		
15.	Section 5: TOR	<p>5.4.5 Development of a financial feasibility model</p> <p>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 and IRR).</p>			<p>5.5.5 Development of a financial feasibility model</p> <p>5.5.5.1. 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 and IRR).</p> <p>5.5.5.2. 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</p>		

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SN	Clause No./ Reference	Original Clause	To be read as
			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 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.

Section 5. Terms of Reference

Background

National Industrial Corridor Development Corporation Ltd. (NICDC) is undertaking the activities related to Preparation of Master Planning and Preliminary Engineering for Ponneri Industrial Area in Tamil Nadu. An area of approximately 4,480 acres has been demarcated for the development of the Ponneri Industrial Area.

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. To prepare a statutory plan for approval by the state town planning department or the relevant local authority as may be applicable
5. 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 irrigation & 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
6. 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 DMIC objective of 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, 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 DMIC to reality.

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7. Based on financial and technical assessment the consultant shall work out the appropriate implementation structure to be worked out in consultation with client.
8. To prepare technical schedules of tender and bidding documents for issuing contracts for entire area in package(s), if required.
9. To assist the Client in the process of selection of contractor(s), and provide technical assistance to Client during Detailed Design by the contractor(s) ensuring highest quality standards in implementation.
10. The consultant shall also provide necessary information and prepare documents as per the formats provided by NICDC for budgetary approvals and fund allocation for project implementation.
11. Financial/Market Analysis: The consultant should undertake financial analysis for the project, which will also include estimation of financial 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. The indicative man months for key staff are provided. However, the consultants are free to make their own estimate of man months required for effective execution of the project.
- 5.2.2 While estimating man months it has been assumed that each expert will be assisted by an adequate number of support staff.
- 5.2.3 For all structural designs and drawings the consultant, at his own cost, shall get the proof check done by registered structural designer/engineer before submitting for the approval of the client. The cost of proof checking shall be borne by the consultant.
- 5.2.4 The consultancy assignment shall be carried out in the following parallel or overlapping parts as the case may be:

Part A:	Project Management
Part B:	Inception of the Project
Part C:	Technical Assessments, Market Survey and Demand Assessments, and Financial Feasibility Model
Part D:	Preparation of Final Base Map
Part E:	Land Capability Analysis
Part F:	Preparation of Concept Master Plan
Part G:	Detailed master planning and Statutory Plan
Part H:	Detailed Urban Design guidelines and Preparation of Landscape Development strategy
Part I:	Drawings for Plot control sheets/ plot demarcation drawings, the development of a GIS database for the plan, and
Part J:	Preliminary Design of roads, highway structures and utility services within the designated area in identified Economic Node/Cluster of the Industrial Corridor
Part K:	Preparation of tender documents and drawings for selection of contractor(s) and provide assistance to Client during Detailed Design stage.

5.3 Detailed scope of services for Part A: Project Management

- 5.3.1 The Consultant shall perform all the Project Management activities necessary for proper planning, management and control of the Consultant's work. Below are some of the typical tasks that are required to be performed by the Consultant:
- 5.3.1.1 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.
- 5.3.1.2 Participate in monthly progress review meetings. The Consultant shall also present a Corrective Action Plan if there are any delays or missed milestones.
- 5.3.1.3 Conduct (1) Constructability Review and (2) Value Engineering session with stakeholders, the details of which would be provided by Client at a later date. Constructability is part of the design process. Constructability reviews during preliminary design consist of (a) viability of constructing the design as proposed i.e. can it be built in a cost effective manner or are there better alternative (b) ensures incorporation of sustainability during construction (material sourcing, recycling, water usage, storage etc) (c) ensures environmental, health and safety practices as per program standards.
- 5.3.1.4 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 Client in the latest version of Oracle Primavera P6 or Microsoft Project 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 P6 or Microsoft Project schedule file should be updated and submitted at least once a month.
 - f) Activity durations should be reasonable (typically not more than 30 days duration 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

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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.

5.3.1.5 Project Management during the handholding period

5.3.2 Prepare and submit a Monthly Progress Report along with GANTT chart during the handholding period.

5.3.3 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.

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

5.3.5 Quality Assurance Plan: The Consultant should have a Quality Assurance Plan (QAP) for all design and documentation activities. The QAP should be presented as a separate section in the final report.

5.4 Detailed scope of services for Part B: Inception of the project

5.4.1 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) Logistics arrangements, if any
- d) Details of the survey to be conducted
- e) Identification of the data sources

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

5.5.1 General

5.5.1.1 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

- 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.
- 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
- 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.

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- Any initial observations or deviations related to the above shall be highlighted by the consultant as a part of their review report.
- 5.5.1.2 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.
- 5.5.1.3 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, rain water harvesting, water reuse, integrated Solid Waste Management plan, use of renewable energy and use of sustainable materials during construction.
- 5.5.1.4 The Consultant shall conduct an assessment of existing 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.
- 5.5.1.5 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 for the site.

5.5.2 Surveys and investigations

- 5.5.2.1 The consultant will be responsible for collecting basic information regarding the site, its surrounding and available infrastructure. The consultant shall procure the data regarding land boundaries, topography, land acquisition etc. Also, the procurement of the satellite imagery is the responsibility of the consultant. If additional data is needed, the client will support the consultant in terms of procurement of the data based on specific request by the consultants.
- 5.5.2.2 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
- 5.5.2.3 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.
- 5.5.2.4 The Consultant will collect information related to Land use, zoning map as per adopted development plan if any, and shall also carry out 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.
- 5.5.2.5 The Consultant shall carry out a detailed physical site survey to map all relevant physical features along with a topographic survey and/or any other survey required for the site area and prepare contour maps and labels as required for the project.

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- 5.5.2.6 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 an 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 in the latest survey.
- 5.5.2.7 The Consultant shall carry out geotechnical investigations and sub-surface explorations for proposed bridges/ highway structures over rivers and high embankments and conduct all relevant laboratory and field tests on soil as per the relevant IRC and other codes/manuals with detailed report on the geotechnical investigations.

5.5.3 Technical assessments

- 5.5.3.1 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.
- 5.5.3.2 The Consultant shall include analysis of information collected in the Technical Assessment Report and Design Basis Report as part of this stage of works. Previous reports and studies shall be available for scrutiny of the Applicant prior to Proposal Due Date at Client's office. A list of available reports includes "The Overall Perspective Plan for the Region".
- 5.5.3.3 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 'Gamtal' areas and climate. The Consultant shall highlight the learning from this study and demonstrate their usefulness as an input to various stages of this assignment in the Technical Assessment Report.
- 5.5.3.4 The existing situation assessment is to done as part of the Technical assessment report shall include the following, but not limited to:
1. Review of all existing proposal, sectorial policies, 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

5.5.4 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:

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1. A macroeconomic review of the region to assess regional and locational strengths and constraints and analysing the investment climate with respect to existing resources and potential sectors that would influence the successful development of the proposed project;
2. Competitor 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, on-going 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, 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 resident population, and employment estimates.

5.5.5 Development of a financial feasibility model

- 5.5.5.1 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 and IRR).
- 5.5.5.2 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 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.

5.6 Detailed Scope of Services for Part D: 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 latest Satellite Imagery will be procured by the consultant from NRSC as per the availability of the data. The cost for the procurement of the satellite imagery shall be borne by the consultant.

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- II. Geo-referencing of Satellite image with the revenue maps and verification of the same with the Topographic survey data. Digitization of geo-referenced revenue village maps wherever required.
- III. Preparation of updated base map by superimposition of combined maps over satellite imagery.

The Final Base map shall highlight the Existing settlements in the vicinity and within the Site (if any), 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.

5.7 Detailed Scope of Services for Part E: Land Capability Analysis

The consultant is required to conduct Land Capability 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 is to be provided for each grid for various factors to arrive at a composite map.

It is required to derive a quantitative assessments 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.

5.8 Detailed Scope of Services for Part F: Preparation of Concept Master Plan

- 5.8.1 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 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. Each of the concepts will at a minimum include the following:
 - 5.8.1.1 Overall illustrative master plan at a scale of 1:2500 illustrating general delineation of proposed land uses, building massing, vehicular and pedestrian circulation, open space relationships, and development character
 - 5.8.1.2 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
 - 5.8.1.3 Broad location, demand, and plots identified for various infrastructure components including but not limited to water, sewerage, drainage, power, gas and telecommunication infrastructure
 - 5.8.1.4 Preliminary open space plan
 - 5.8.1.5 Preliminary 3D sketches for design theme and character of the development
 - 5.8.1.6 Land and building area statement with ground coverage, FSI, building mass and bulk metrics on a GIS platform
 - 5.8.1.7 In consultation with the client, carry out an assessment of the three concept master plans using the KPIs and assessment criteria and provide recommendation on the preferred master plan

5.9 Detailed Scope of Services for Part G: Detailed Master Plan and Statutory Plan

5.9.1 Develop the client approved master plan option with the following:

- 5.9.1.1 Overall illustrative master plan at a scale of 1:2500 illustrating final delineation of proposed land uses, building massing, vehicular and pedestrian circulation, open space relationships, and development character
- 5.9.1.2 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
- 5.9.1.3 Firm location and plots identified for various infrastructure components including but not limited to water, sewerage, drainage, power, gas and telecommunication infrastructure
- 5.9.1.4 Final open space plan and landscape development strategy
- 5.9.1.5 Up to 5 final high quality 3D aerial or eye-level renderings for design theme and character of the development
- 5.9.1.6 Final land and building area statement with ground coverage, FSI, building mass and bulk metrics on a GIS platform

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

- 5.9.2.1 Land use mix and land area allocation for various uses in a form of land use map with illustrative building footprints and tabulation of land areas
- 5.9.2.2 Identification of Right-of-Way for all major utility corridors, transportation networks etc.
- 5.9.2.3 Urban Design guidelines to supplement statutory development control regulations to bring about a cohesive development pattern and design element into the development.

5.9.3 Preparation of Statutory master plan shall include the following:

- 5.9.3.1 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 SPA or local authority as the case may be for approval of the master plan.
- 5.9.3.2 The consultant shall provide necessary support to the Client in carrying out the due process requirements for the statutory adoption of the master plan.

5.10 Detailed Scope of Services for Part H: Detailed Urban Design Guidelines and Preparation of Landscape Development strategy

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

- 5.10.1.1 Preparation of development guidance in the form of an urban design and development guidebook /pattern book which will define massing, height and material (if required by client) parameters for buildings, compound walls, gates and such other features along with images, sketches to graphically explain the same.
- 5.10.1.2 Guidance for development standards for public places – paving, materials, features, characters etc.
- 5.10.1.3 Guidance for development of street and information signage according to branding guidelines and brand identity material established for the development

5.10.1.4 Schematic representation of key design features within the development like gateways, key nodes, junctions, plazas etc. as a guidance for development by the clients in the future

5.10.1.5 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.

5.11 Detailed Scope of Services for Part I: 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 clusters or sectors 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 drawings sheets containing information displayed in a clear and unambiguous manner the format for 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:

- Cluster or Sector 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 back lines and key development regulations 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 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 geo database for management of the development.

5.12 Detailed scope of services for Part J: Preliminary Design of roads and infrastructure within the designated area

5.12.1 General

5.12.1.1 The intent of this part is to prepare integrated preliminary engineering design of all roads and utility services within the designated area. The Consultant shall design services to 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

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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.

5.12.1.2 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 network, drinking water, recycled water, industrial water, power, sewage, storm water, 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:

- a) Investigate and identify existing and/or proposed traffic and transportation modes existing in the project influence area and vicinity.
- b) Investigate 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 proposed sub-grade 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 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 scheme prepared by Client.

5.12.1.3 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

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- 5.12.1.4 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 interface of services in case implementation is carried out through multiple contractor.
- 5.12.1.5 The Consultant shall coordinate between various state agencies and other stakeholders in order to incorporate requirements and considerations. The Consultant shall coordinate preliminary design of roads, highway structures and infrastructure with the design of other elements being carried out by these agencies. It is the intent of the Client to carry out detailed design and execution of key infrastructure such as WTP, STP and CETP by separate agencies. The Consultant shall either leave provision for such elements or coordinate with those agencies if appointed during the tenure of this assignment.
- 5.12.1.6 The Consultant shall propose specific measures and engineering design to mitigate any detrimental aspect for all roads and services.
- 5.12.1.7 The Consultant shall study and consider the implications of such flood management measures for all roads and services in the designated area.
- 5.12.1.8 In consultations with the Client and other stakeholders, the Consultant shall assess limitations such as no discharge of treated water, storm water etc. The Consultant shall make/ leave specific provisions in the preliminary design of services/ utilities addressing such limitations.
- 5.12.1.9 The Consultants shall evolve the preliminary design using latest available software and methodologies currently prevailing in the respective sectors of roads and utility service design.
- 5.12.1.10 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.
- 5.12.1.11 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, geo-thermal etc.)
 - c) Use technology that require less water during the construction of infrastructure
 - d) Recycle and reuse of water and waste
 - e) Integrated solid waste Management and energy recovery from the solid waste.
 - f) Efficient use and minimize power losses in power network
- 5.12.1.12 The Consultant shall prepare the necessary details to carry out site grading 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.

- Site grading to suit the site condition and plan proposal
- Site grading to suit Storm Water Drainage System & flood control
- Grading Plan with Formation Levels on basis of contour survey plans
- Site Sections.

5.12.2 Design Basis Report

- 5.12.2.1 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, climatic conditions and usage requirements in considerations while formulating the design basis for roads and utility services in the designated area.
- 5.12.2.2 As part of the design basis, the Consultant shall assess alternatives wherever applicable incorporating aspects related to sustainability and illustrate methods that will increase efficiency of the network, potential sourcing of materials, technology available, technical parameters, phasing of infrastructure and decrease time required for implementation.
- 5.12.2.3 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.
- 5.12.2.4 The Consultant shall also explore strategies to phase various roads during implementation stage in order to meet incremental traffic demands. The Consultant shall assess the road cross sections and examine the efficiency of provision of services, and suggest alternatives if required for the road cross section and position of services for efficient implementation and operations and maintenance.
- 5.12.2.5 In 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.

5.12.3 Traffic Demand Assessments

- 5.12.3.1 The Consultant shall estimate traffic projection of the demarcated area by establishing possible traffic growth rates in respect of 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 impact on the traffic growth, should be studied. Traffic projections should be conversant to development phasing prescribed by the master plan.

- 5.12.3.2 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 Maps report of Area, wherein the growth factors may be calculated for groups of five years each till the horizon period.
- 5.12.3.3 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 impact of implementation of any new project/proposal in the near vicinity of the project.
- 5.12.3.4 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.

5.12.4 Preliminary design for all roads

- 5.12.4.1 The preliminary design of roads will include but not be limited to 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.
- 5.12.4.2 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 main carriageway, service road (if required). The road cross sections and layout should be designed with emphasis on incorporate 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.
- 5.12.4.3 Pavement Cross Sections: 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 design of pavement. Consultant has to advise on suitable pavement type 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 repetition of wheel loads in terms of standard axles over a design period as per IRC standards.
- 5.12.4.4 Bridges and culverts shall be designed for IRC loading class 70 R and for 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 culvert to be considered.
- 5.12.4.5 Geometric design: Road geometry should be designed based on IRC guidelines and international codes also to be referred in case of any missing data. The preliminary design should support overall drainage of the site. Latest design software such as MX road has to be used for the same. Design analysis and any other software output has to be shared with the client.
- 5.12.4.6 Drainage design: A detailed preliminary layout of the drainage 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

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surface and sub surface drainage including junctions. The existing data on rainfall, flood history, existing stream all has to be studied in detail before preparing drainage plan.

- 5.12.4.7 Junction Design: as part of the overall preliminary engineering of road network, the intersections have to be designed based on the traffic projections. Consultants has to identify 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. Consultant should come out with innovative traffic management techniques that help in reducing cost of construction such as state of art area level traffic signalling system that increase the traffic handling capacity of intersections.
- 5.12.4.8 The Consultant shall identify suitable locations for 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 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.
- 5.12.4.9 Apart from the above, the consultant will also have to take up following as a part of 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, ROBs, indicating the approximate sections and GAD.
- d) Traffic management plan during construction
- e) Road signing and marking plans, including over head and variable message signs, Pavement Markings, Safety Barriers, Railings, Delineators, Chevron Markings, Traffic Attenuators and crash barriers.
- f) Overall Circulation and Traffic Management System for entire site.

5.12.4.10 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 the adherence to the sight distance requirements as per the standard norms. The consultants shall make detailed analysis of traffic flow and level of service for the existing road and workout the traffic flow capacity for the improved project road. 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, wherever the recommendations are not available as per the Indian codes, international codes may be referred.

5.12.4.11 The Consultant shall also prepare details for at-grade junctions, which may be adopted as 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.

5.12.4.12 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

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essential requirements of such developments.

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

5.12.4.14 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 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.

5.12.4.15 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 plan and profile;
- d) Geometric design drawing of service roads which will include 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

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

5.12.5.1 The Consultant shall review/revaluate available Site Survey and Finalisation of Maps report including norms, scheme etc in terms of regional aspects and long term and short-term validity of schemes.

5.12.5.2 The Consultant shall study the proposed Water Supply system, 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.

5.12.5.3 The Consultant shall evaluate the quality and quantity of underground and surface water sources at the site, determine adequacy, 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 fire fighting purposes and its

associated network.

- 5.12.5.4 The Consultant shall design the network required for supply of potable, recycled water and fire-fighting water for the designated area. The network shall include 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.
- 5.12.5.5 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.
- 5.12.5.6 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.
- 5.12.5.7 The Consultant shall prepare a staging plan for potable and recycled water system considering the phase-wise occupancy for the area.
- 5.12.5.8 The preliminary design for potable water network, recycled water network, including fire storage and fire fighting 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 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.

5.12.6 Preliminary design for drainage network

- 5.12.6.1 The Consultant shall prepare the storm water 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 preliminary design of roads and drainage network in the interim, before the flood management system is in place.
- 5.12.6.2 The Consultant shall analyse the data and prepare the preliminary design for drainage

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network by:

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

5.12.6.3 As part of the preliminary design of 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 storm water facilities.
- b) Preliminary design for the storm water drainage network with pipe diameters / channel dimensions.
- c) Determine the locations and dimensions of the storm water culverts along the roads.
- d) Determine the outfall points of the storm water drainage network.
- e) Determine location and size of storm water pumping stations, sluice gates/flood control structure at outfall or at intermediate level if required
- f) Determine the interconnection with the outside storm water drainage network
- g) Harvesting of surface runoff and measures to promote ground water recharge through rainwater harvesting system
- h) Analysis of the SWD system, alignment and position of storm water drainage along the road giving the details of 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 proposed formation level, storm water network with internal, peripheral drain and main channel up to discharge point with table indicating High flood level (HFL), Invert level (IL), Discharge, velocity, freeboard data.
- l) 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.

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

5.12.7.1 The Consultant shall prepare 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.

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

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- 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
- f) Minimum depth of sewer
- g) Maximum depth in relation to water table
- h) Infiltration factor
- i) Formula for calculation for design of sewer
- j) Coefficient of various formulas

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

5.12.7.4 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.

5.12.7.5 The Consultant shall determine 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.

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

5.12.7.7 As part of 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

5.12.8 Preliminary design for power supply

5.12.8.1 The Consultant shall prepare the preliminary design for power supply keeping the following but not limited to in perspective such as safety to personnel, minimum fire hazards and risk, minimizing power losses, reliability of system to the extent possible, ease of maintenance,

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automatic protection of all electrical equipment through selective relaying system and scope for future expansion.

5.12.8.2 The Consultant shall study the existing planning for EHT and HT transmission network of State Transmission for the entire area and thereafter coordinate the plan for the Sub-station location. The proposed equipment and preliminary design for distribution sub-station should be prepared with reference to the load flow analysis taken up by State Transmission prior to finalisation.

5.12.8.3 The Consultant shall prepare a load forecast based on plot mix, type of industrial units, 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.

5.12.8.4 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 Utility Profile including demand assessment
- d) Design electricity distribution system, which comply with the following but not limited to relevant regulations, latest concepts such as Smart Grids, codes of practices and byelaws.
- e) Preliminary design of the sub heads of the substations and distribution networks.
- f) Broad construction costs of the recommended option based on preliminary design
- g) Determine 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.

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

5.12.9 Preparation of Waste Management Plan

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

- a) Characterisation and quantification of solid waste and hazardous waste to be generated during 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 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

5.12.10 Preliminary design for gas network corridor and telecom ducting network

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

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

5.12.10.3 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 system, SCADA, BRT, traffic signalling etc, coordinated with overall ICT master plan

5.12.10.4 Evaluate the systems for provision of Information and Communications Technology (ICT) for integrated operations along transport routes with provision of 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
- f) Provision for Integrated Billing and Cash-less transactions
- g) Prepare broad cost estimates of the civil, electrical, systems, ICT requirements - both capital as well as operating costs.

5.12.11 Preparation of Cost estimates and BoQ

5.12.11.1 The cost estimates shall be prepared as per provisions of this TOR and as per

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below. The description of items in Bill of Quantities should be consistent with the drawings and specifications, and all should lend themselves to harmonious and unambiguous interpretation.

- 5.12.11.2 The Consultant shall prepare detailed estimates for quantities (considering designs of roads, highway structures and utilities as proposed) and project cost including rate analysis 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) maybe used. The estimation of quantities shall be based on preliminary design of various components. The estimation of quantities and costs shall be worked out separately for each component.
- 5.12.11.3 The Applicant shall carry out a detailed analysis for computing the unit rates for the different items of works. 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.
- 5.12.11.4 The project cost estimates so prepared are to be checked against rates for similar on-going works in the surrounding region with reference to current State PWD schedule of rates.
- 5.12.11.5 The Consultant shall prepare BOQ of various components with a break up of cost for each component separately. The Consultant may include provision 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. Consultant should perform rate analysis for all the items in all works.
- 5.12.11.6 The Consultant shall prepare the Cost estimates and BoQ for the purpose of assistance in tendering process for contractor(s). The Consultant shall be responsible for accuracy of the BoQ items.

5.12.12 **Financial Analysis:** The consultant should undertake detailed financial analysis for the project, estimation of financial IRR etc.

5.12.13 **3D Model and Spatial Database**

- 5.12.13.1 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.
- 5.12.13.2 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.
- 5.12.13.3 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 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.

5.13 Detailed scope of services for Part K: Preparation of tender documents and drawings for selection of contractor(s) and during Detailed Design stage

5.13.1 The Consultant shall formulate tender packages. These packages shall be formulated such that all roads and infrastructure are simultaneously and seamlessly executed at the site along with the works related to street lighting, street furniture and landscape. The tender documents shall be designed such that the works can be executed in a short span of time in order to meet client's expectations.

5.13.2 Preparation of Tender drawings and documents

5.13.2.1 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 on materials and work, special conditions of contract etc.

5.13.2.2 The Consultant's scope shall include all relevant information pertaining to preliminary design for roads & services/ utilities such as draft BOQ's, analysis of rates, technical specifications and technical data sheets.

5.13.2.3 The Consultant shall provide relevant documents for bidding out contracts for single/ multiple packages created for the designated area.

5.13.2.4 The Consultant shall provide technical assistance to the Client in selection of contractors for various packages.

5.13.3 Technical support/ handholding during Detailed Design

5.13.3.1 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 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 (PMNC) will be appointed for the node and accordingly, the consultant will do all necessary coordination with the PMNC. All deliverables will be submitted to PMNC after his appointment and it is the responsibility of the PMNC to verify the deliverables and approve the same. For all practical purposes, the PMNC will be acting as the client's representative for all day-to-day activities.

5.13.3.2 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.

5.13.4 Scope of work for Environmental Impact Assessment for the project

The Selected Consultant/s are required to prepare & complete the EIA study as per the Model ToR issued by MoEF and also obtain the additional ToR for this project.

The purpose of EIA is to give the environment its due place in the decision-making process by clearly evaluating the environmental consequences of the proposed activity before action is taken.

- Evaluation of the impact of the project shall be carried out on air environment, water environment, land use, drainage, flora and fauna, socio-economic and cultural environment on short and long term basis. The evaluation shall be carried out for pre project scenario, project implementation scenario with and without EMP. The environmental impact scenario shall be carried out for, before, during and after the implementation of project.
- The guidelines provided by MoEF and State PCB and/or any other relevant body in this regard shall be studied while conducting the EIA study. The baseline data generated from above studies shall be analyzed and compared with applicable standards for each environmental attribute so that the critical environmental areas and also attributes of concern are identified. The short term and long term impacts particularly on sensitive targets such as endangered species, plants, crops and historically important monuments shall be identified.

5.13.5 Mitigation measures & Environmental Management Plan for the existing and proposed developments

Based on the impacts identified the mitigations measures will be suggested. An impact criterion will be developed to identify major, moderate and minor impact based on which an impact matrix will be generated. The impact matrix will indicate the extent of impact with as well as without the proposed mitigation measures. Social impacts and concerns will also be identified and an outline Rehabilitation and Resettlement (R&R) Framework will be prepared.

An EMP suggesting economically feasible control technologies and procedures to minimize any impact on environment will be developed. The EMP will include:

- Pollution control measures (air, water, noise, soil etc)
- Water conservation, treatment and disposal
- Solid/hazardous waste management
- Training and Monitoring requirement for the project
- Occupational Health and Safety Measures
- Requirements for green belt and landscaping
- Traffic Management Plan

5.13.6 Outline Risk Assessment Study

The RA study will include the following methodology:

- Identification of hazards/risks associated;
- Identification of scenarios;

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- 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)

The Consultant shall be responsible for making presentations as required from time to time before the various committees of Competent Authority/ies including Public Hearing and obtain the EIA Clearance from the MoEF and/or any other authority.

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

5.13.7 The scope of services is also inclusive of following:

- o To fill-up Form- I along with draft TOR, to be submitted to MoEF, New Delhi for getting TOR.
- o Preparation and giving presentation for TOR at various stages/to various authorities, as per requirements of MoEF and/or any other authority and providing all the necessary assistance for the same as per requirements.
- o Liaisoning / Expediting /Follow-up with MoEF and/or any other authority for the early receipt of TOR and with other statutory/non-statutory bodies for getting various permissions/clearances etc.
- o To prepare Comprehensive detailed EIA –EMP Report as decided by client which should be as per the requirements of TOR / EC and shall also cover the points referred in the “Technical EIA Guidelines Manual published by MoEF and/or any other authority and the amendments thereof with completion of all the necessary field works, monitoring, testing etc. including measurement of meteorological parameters for the respective area of project site.
- o Preparation and giving presentation at various stages/to various authorities for Public Hearing and Public Consultation and providing necessary assistance for the same as per requirements and also for the compliances to the points identified during Public Hearing and Public Consultation.
- o Preparation of the compliances as per requirements in TOR for further submission to MoEF and/or any other authority.
- o Preparation and giving presentation at various stages/ to various authorities, for getting Environmental Clearance and providing necessary assistance for the same as per requirements.
- o Expediting/Follow-up with MoEF/ other statutory bodies for the early receipt of Environmental Clearance.

5.14 Deliverables and timeframe

5.14.1 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.

S. No	Milestone	Duration
1	Inception report and Quality Assurance Plan	D+15 days
2	Market demand analysis	D+1.5 month

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S. No	Milestone	Duration
3	Final Base map	D+3 months
4	Land suitability analysis and technical assessment report	D+4 months
5	Preliminary master plan report	D+5 months
6	Final Master plan report and preliminary financial model	D+8 months
7	Urban design / Landscaping / Branding guidelines	D+8 months
8	Final plot control sheets	D+9 months
9	Statutory plan	D+10 months
10	Notification of the final master plan	D+11 months
11	Design basis report	D+11 months
12	Draft preliminary design report including detailed economic analysis along with costing	D+13 months
13	Final EIA clearance	D+13 months
14	Final preliminary design report with 3D model and tender packages & BIM model	D+15 months
15	Selection of EPC/DB contractor(s)	D+20 months
16	Approval of GFC's	D+26 months
17	Hand holding and assistance to client	D+30 months
D*-Start date of assignment		