

TERMS OF REFERENCE FOR CONSULTANTS

1. Overall

Objective and Purpose of the Assignment

The Chennai-Kanyakumari Industrial Corridor (CKIC) is the second phase of the East Coast Economic Corridor, following Vizag-Chennai Industrial Corridor (VCIC). CKIC is envisioned to spur the manufacturing sector in Tamil Nadu and create additional employment well beyond its immediate vicinity. It is aligned with Government of Tamil Nadu's Vision 2023 with initial focus on the state's lagging southern districts.¹ At the national level, CKIC envisions a port-led development under *Sagarmala* initiative and will link the state's manufacturing sector with national supply chains and global value chains operating in East and Southeast Asia. CKIC will provide further impetus to India's Act East Policy and will promote regional integration with neighboring Asian economies.

The comprehensive development plan for the CKIC identified two priority nodes for industrial development: (i) Thoothukudi and Tirunelveli and (ii) Madurai-Virudhunagar-Dindigul-Theni. A combination of individual consultants and a consulting firm will be engaged for the implementation of TA activities. These experts will work on (i) identifying comprehensive market potential and critical gaps of industries and infrastructure in the region, (ii) analysis of financial and economic aspects of study, and (iii) identification of regulatory and implementation framework for an enabling environment that promotes local industries, improves quality of life, upgrades human skills, creates world-class infrastructure, and attracts global investments.

1.1 Consulting Firm (International, intermittent, 75 person-months)

Scope of Work

The consulting firm will be responsible for the preparation of the master plan for CKIC. Table 1 shows the composition of experts for the consulting firm:

Table A3: Composition of Specialists of the Consulting Firm

Expertise	Person-months
A. International Consultants	
1. Economic corridor and development planning specialist and team leader	12
2. Industrial development expert	6
3. Energy economist	6
4. Transport economist	6
5. Infrastructure finance specialist	5
Subtotal (A)	35
B. National Consultants	
6. Infrastructure master planner and land use planning expert	10
7. Transport specialist (engineering and/or planning: rail and roads)	4
8. Energy specialist (engineering and/or planning)	4

¹ Vision Tamil Nadu 2023 sets the plan for infrastructure development for the state to reach the desired outcomes by 2023.

9. Urban infrastructure specialist	4
10. Environment specialist	2
11. Social development specialist (safeguards)	4
12. Geographic data and/or GIS specialist	4
13. Infrastructure policy and governance expert	8
Subtotal (B)	40
Total	75

GIS = geographic information system
Source: Asian Development Bank.

Detailed Tasks

- Conduct a study on the comprehensive market potential and a critical gap assessment of industries and infrastructure in the region;
- Prepare a general overview and base map of the project region for proposed investment region or special investment zone;
- Conduct a study on delineation of the investment area, focusing on land suitability analysis while coordinating with State Industries Promotion Corporation of Tamil Nadu (SIPCOT) to confirm land boundaries and acquisition status, and examining the inclusion of private land parcels in the masterplan stage and innovative techniques such as land pooling for land acquisition;
- Ensure that base maps match the actual land availability, and are consistent with cadastral and revenue data, while verifying suitability of existing GIS maps available via the TN e-Gov Agency and IT Department;
- Develop land use plan to strengthen the urban development dimension and ringfence land around the nodes for development of urban agglomerations;
- Identify and delineate start-up areas in consultation with GoTN and with consideration of the requirements of key anchor tenants;
- Prepare an infrastructure gap assessment of the industrial node;
- Develop an infrastructure plan that re-balances supply and demand side interventions; equips sites with infrastructure based on specific requirements of anchor investors, emphasizes critical urban issues such as water management, and flood management; highlights connectivity to gateways including port and airports; supports renewable energy sector; and develops plug-in-play factories for certain industries;
- Devise a water supply management plan, including industrial water supply, promotion of reuse of industrial water, tertiary treatment of waste water, and desalination plants, among others.
- Prepare a development plan for the industrial node;
- Carry out a broad economic cost–benefit assessment with estimation of costs and benefits that would accrue with proposed project components envisaged as part of the industrial nodes (including potential employment generation by sectors, export promotion prospects, and availability of quality industry and/or infrastructure), and closely work with TN Infrastructure Fund Management Corporation on this task;
- Identify and list priority projects, with special attention to those concerning external connectivity, energy availability, and urban infrastructure;
- Prepare a regulatory and implementation framework to promote local industries, improve quality of life, upgrade skills, create world-class infrastructure, and attract global investments;
- Identify governance structure for the management of the two industrial nodes;

- Prepare environment and safeguards plans;
- Ensure that master planning of the nodes is done alongside and in sync with the regional planning by taking inputs from town planning authorities;
- Prepare a development blueprint for the priority nodes with the following key output sections: (1) Industry Selection (with anchor investor); (2) Overall Master Plan; (3) Infrastructure Planning (including urban ecosystem); (4) Start-up Area Plan; (5) Priority Projects; (6) Legal and Governance Structure; (7) Financing Plan; and (8) Social Impact Assessment (SIA) and Resettlement Action Plan (RAP); and
- Perform other relevant tasks assigned by the project team leader.

Minimum Qualifications

The consulting firm should have extensive experience preparing master plans for economic corridors, preferably with proven experience working in India and/or other South Asian countries.

1.2 Sector Specialist (international, intermittent, 5 person-months cumulative)

Scope of work

Sector Specialist will provide technical guidance in reviewing the reports to be submitted by the consulting firm.

Detailed Tasks

- Review the master plan discussions on the assigned sectors and identify any gaps and internal inconsistencies;
- Identify global and regional best practices in relation to the assigned sectors and ascertain if these practices are used in the master plan's analysis;
- Identify critical gaps and drivers of growth of the assigned sectors and verify the master plan has captured these critical issues;
- Conduct economic analysis of the assigned sectors pertaining to the development of the economic corridor and validate the estimate of the sectors' benefits, with specific focus on industry sectors and their amenability to global and regional value chains;
- Identify prospective anchor investors based on their potentials for linkage to global value chains; and
- Perform other tasks assigned by the relevant ADB staff.

Minimum Qualifications

The specialist should have at least 10 years of experience on economic, sector, or thematic analysis. A master's degree in economics, business administration, urban planning, or related fields is required.

1.3 Communications Specialist (international, intermittent, 10 person-months)

Scope of work

The specialist will be responsible for developing the communication plan for the CKIC master plan.

Detailed Tasks

- Develop a communications strategy to promote the master plan among to the general public, business community, and potential investors;
- Prepare communication materials that will appeal to various audiences;

- Prepare a communications plan to actively reach out to anchor investors in parallel with the initiation of master planning;
- Develop and design proactive strategies to support GoTN in designing and implementing investment promotion programs;
- Support GoTN in identifying and reaching out to potential anchor investors for target industries with strong linkage to GVCs;
- Ensure that all publications and other materials related to the master plan are suited to the relevant audience;
- Develop programs and organize workshops, media briefings, and other promotional activities for optimal presentation of investment opportunities in the CKIC; and
- Perform other tasks as assigned by the relevant ADB staff.

Minimum Qualifications

The specialist should have a master's degree in communication, journalism, or public relations. With work experience in India or other South Asian countries.

1.4 Economics Editor (international, intermittent, 3 person-months)

Scope of Work

The specialist will be responsible for editing and reviewing all knowledge products to be produced under this TA.

Detailed Tasks

- Edit knowledge products including but not limited to research papers, reports, draft and final manuscripts, policy briefings and articles, among others, to ensure consistency and quality of discussions/messages;
- Ensure that style and language usage of manuscripts is in accordance with ADB's Handbook of Style and Usage; and
- Proofread manuscripts for publication.

Minimum Qualifications

The consultant should have at least 10 years work experience on report writing and editing flagship economics-related publications for reputable international organizations, and with work experience at the ADB.

1.5 Economists (national, intermittent, 2 persons, 24 person-months cumulative)

Scope of work

The economists will provide support in the economic analysis of sectors in the two priority nodes of CKIC.

Detailed Tasks

- Assist in the conduct of research-related activities by gathering data from relevant sources;
- Provide inputs to the various reports that will be prepared for the TA;
- Provide editorial support in the publication of knowledge products; and
- Perform other tasks which may be assigned by the project team leader.

Minimum Qualifications

The expert should have a master's degree in economics, public policy, development studies, or related fields, with minimum 7 years' experience in economic research.

1.6 Project coordinator (national, intermittent, 24 person months)

Scope of work

The Project Coordinator will be responsible for providing administrative and logistical support in the implementation of TA activities.

Detailed Tasks

- Monitor the implementation of TA activities;
- Provide logistical support in the conduct of workshops, trainings, and/or seminars;
- Provide administrative support in the publication of knowledge products; and
- Perform other tasks which may be assigned by the project team leader.

Minimum Qualifications

The Project coordinator should have at least 5 years of experience in project coordination, and a master's degree in economics, business administration, development studies, or other related fields.