

## TRANSACTION TECHNICAL ASSISTANCE TERMS OF REFERENCE FOR CONSULTANTS

1. To enhance readiness for the proposed Bangkok mass rapid transit (MRT) South Purple Line project and satisfy due diligence requirements for ADB financing, ADB intends to provide Transaction Technical Assistance (TRTA) resources of \$1,500,000, subject to ADB management approval. This will broadly cover (i) conducting due diligence on technical, economic and financial, governance, poverty and social and safeguards for ADB financing for the Bangkok MRT South Purple Line project; (ii) developing urban rail MRT and multimodal transport network integration plan; and (iii) strengthen the government's capacity in implementing and managing urban rail operations and maintenance.

2. The required positions and person-months are indicated in Table 1. The TRTA will require approximately 36 person-months (PMs) of international consultants and 18 PMs of national consultants' inputs. These consultants will be recruited individually. For project due diligence where feasibility study is already prepared by the Mass Rapid Transit Authority of Thailand (MRTA) following government internal requirements, hiring individual consultants with short duration is more appropriate for quick mobilization of consulting services, and more cost-effective than firms. The consultants will procure goods, mainly in the form of software for use in transport demand modelling. Resource person contracts (maximum 2 PM) will be reserved to allow inputs from highly specialized experts, particularly to support the preparation of the MRT and multimodal transport integration plan. ADB will recruit the consultants in accordance with ADB's Procurement Policy (2017, as amended from time to time) and ADB's Guidelines on the Use of Consultants (2013, as amended from time to time), and TA Procurement Regulations applicable at the time of implementation.

**Table 1: Summary of Consulting Services Requirement**

Positions (International)	Person-month	Positions (National)	Person-month
Economist	3.0	Demand Forecast Specialist	2.0
Financial Specialist	3.0	Financial Management Specialist	2.0
Transport Specialist	2.0	Transport Specialist	2.0
Procurement Specialist	3.0	Procurement Specialist	2.0
Resettlement Specialist	2.0	Resettlement Specialist	2.0
Environmental Specialist	2.0	Environmental Specialist	2.0
Climate Change Specialist	2.0	Climate Change Specialist	2.0
Social Development & Gender Specialist	2.0	Social Development & Gender Specialist	2.0
Transport Institutional Specialist	6.0	Legal Consultant	2.0
Transport Planner/ Modeller	3.0		
Concession Specialist	2.0		
PPP Transaction Advisor	2.0		
Workshop Report Specialist	2.0		
Resource Persons	2.0		
<b>Total</b>	<b>36.0</b>		<b>18.0</b>

Source: Asian Development Bank estimates.

3. The terms of reference for the TA consultants are described in paragraphs 4 to 20.

4. **Economist (International, 3 PMs)** shall work in close tandem with the financial specialist and demand forecast specialist, to undertake an economic analysis of the proposed project in accordance with ADB's Guidelines for the Economic Analysis of Projects (2017) by (i) reviewing traffic forecast with and without the project; (ii) reviewing macroeconomic and sector contexts, (iii) conducting demand analysis, (iv) identifying the project rationale and alternatives; (v) identifying and comparing project costs and benefits (including additional environmental benefits), (vi) assessing project sustainability, (vii) conducting sensitivity and risk analysis, and (viii) identifying indicators for project performance monitoring. The economist will also conduct economic analysis in support of development of urban rail MRT and multimodal transport network integration plan. Qualification: Bachelor's degree and a broad-based work experience (10 years of relevant professional experience) recognized as an expert in transport economics; proven analytical skills and working experience in ADB developing member countries; Thailand experience would be preferred.

5. **Financial Specialist (International, 3 PMs)** shall work in close tandem with the economist, to undertake the financial analysis of the project and the MRTA in accordance with relevant ADB guidelines, by (i) preparing the detailed cost estimate and financing plan for the project; (ii) determining the financial benefits and comparing it against the weighted average cost of capital; (iii) reviewing the financial management assessment on MRTA prepared by the financial management specialist; (iv) identifying key risks and carrying out sensitivity analysis; and (v) identifying actions to ensure project sustainability and proposing related assurances or covenants. The aforementioned work shall be implemented with reference to the following ADB's documents: (i) the 2015 technical guidance note (TGN) for Financial Management Assessment, (ii) the 2015 TGN for project financial reporting and auditing, and (iii) the 2014 TGN for preparation of cost estimates. For all other issues not covered by these 3 TGN, the 2005 ADB's publication "Financial Management and Analysis of Projects" should be referred. The financial specialist shall also develop financial model to undertake financial analysis for the MRT and multimodal transport network integration plan and integrated fare structure proposed under the TA. The financial specialist shall analyze the financial impact on private sector urban rail concessionaires/ operators and relevant government agencies. Qualification: Bachelor's degree and a broad-based work experience (10 years of relevant professional experience) recognized as an expert in financial analysis; proven analytical skills and working experience in ADB developing member countries, with a relevant recognized qualification; Thailand experience would be preferred.

6. **Transport Specialists (International, 2 PMs; National 2 PMs)** shall (i) carry out technical due diligence to confirm the technical viability of MRT South Purple Line; (ii) review specific urban rail MRT planning, technical, construction and operations issues, (iii) undertake quality assurance of technical solutions; and (iv) recommend measures to optimize project costs and implementation schedules. Qualification: Bachelor's degree with professional work experience of preferably 10 years or more in railway engineering, having familiarity with various kinds of design norms in the world (for international position) and Thailand (for national position); Working experience or knowledge of ADB's operations is desirable; Must have proven analytical skills and working experience in ADB developing member countries (for international position); Thailand project experience would be preferred (for international position).

7. **Procurement Specialists (International, 3 PMs; National 2 PMs)** shall carry out due diligence and prepare all documentation required for ADB board approval. Specifically the consultants shall (i) update overall procurement risk assessment on the MRTA's procurement system, with an aim to adopt agency's procurement system (APA-alternative procurement arrangement) for the project; (ii) develop and conduct program for improving efficiency in procurement process and mitigating risks identified in the procurement risk assessment; (iii)

support design the project's procurement packages including but not limited to developing procurement plan, review and quality assurance of bidding documents; (iv) assist MRTA in disseminating the procurement opportunities to international bidders and advice MRTA and ADB on any perceived obstacles for international bidders to participate in the procurement process (v) prepare projections of contract awards and disbursements schedules; and (vi) provide support to the MRTA ensuring that all procurement comply with ADB procurement policies. The consultants shall deliver (i) updated assessment of MRTA for the use of APA as required by ADB's procurement policy and (ii) Procurement & market risk assessment following the template of ADB's Project Administration Manual. Qualification: The international procurement specialist should have at least 10 years of experience in managing and/or advising on complex infrastructure procurement. Furthermore the international procurement specialist should have experience in procurement risk assessment, institutional and organizational development of procurement functions. Strong communication and writing skills in English is required. Experience in Southeast Asia and ADB or other MDB procurement guidelines is an added advantage. The national consultant shall have Bachelor's degree with professional work experience of preferably 10 years or more in procurement of large scale civil engineering works in Thailand. Knowledge of ADB's procurement requirement is an added advantage.

**8. Resettlement Specialists (International, 2 PMs; National 2 PMs)** the international resettlement specialist, to be assisted by the national resettlement specialist, shall prepare detailed Resettlement/ Land Acquisition Plan for the proposed MRTA Thailand South Purple Line project. The Resettlement/ Land Acquisition Plan should be fully compliant with ADB's Safeguard Policy Statement (2009) and Involuntary Resettlement (IR) and Indigenous Peoples (IP) safeguards and Public Communication Policy (2011). The scope of work of the international consultant includes conduct of social (involuntary resettlement) due diligence and preparation of Resettlement/ Land Acquisition Plan to meet the social requirements of both the government and ADB SPS 2009. The international consultant's work shall include, but not limited to (i) guide together with the national resettlement specialist and MRTA's consultants in conducting required surveys, devise the methodology and survey questions; (ii) conduct site visits; (iii) provide dummy tables and other data requirements; (iv) oversee the drafting of the safeguard documents and due diligence reports for the proposed project; (v) identify gender-related issues and preparing gender-mainstreaming activities in the safeguard documents; (vi) draft a resettlement plan (RP) and any other due diligence reports; (vii) Ensure that all final reports are in compliance with ADB SPS 2009 and prepared in good English language; (viii) review and finalize the public information booklet, the entitlement matrix, grievance mechanism and appeal procedures; project budgets and implementation arrangements; (ix) participate in some public consultations; and (x) support ADB team in preparing relevant sections of project documents including facility administration manual, RRP and SPRSS. The national resettlement specialist, with guidance from the international resettlement specialist and in coordination with the national social development & gender specialist, is required to oversee and provide quality assurance for the following activities: (i) social impact assessment; (ii) collect adequate data and preparing of resettlement plan (RP); (iii) ensure that the RP conforms to ADB's Safeguards Policy Statement 2009; (iv) assist the Government in initiating a participatory process for RP preparation; and (v) assess the capacity of the responsible institutions to prepare, update, and implement the RP, and to propose capacity building and training programs. The national resettlement specialist will also directly assist to (i) help conduct social surveys (i.e., inventory of loss, census, socioeconomic survey, replacement cost study); (ii) review Government policies and strategies impinging on involuntary resettlement; (iii) conduct a poverty and social analysis; (iv) prepare a poverty and social strategy; (v) prepare other social action plans, if required; and (vi) carry out meaningful consultations with affected people, and the consultation processes will be

appropriately documented in the safeguards documents; pay special attention to ensure that vulnerable groups have sufficient opportunities to participate in consultations. Qualifications: the international resettlement specialist should have at least 10 years' experience in undertaking resettlement and indigenous peoples' assessments of linear project in the transport sector. He/she must have a post-graduate degree in sociology, anthropology, scientific land management and/or any other related field. Strong communication and writing skills in English are required. The expert should have a good knowledge of resettlement and indigenous peoples safeguards for transport projects in Southeast Asia and prior work experience with ADB and/or any other relevant international development organization in the area of resettlement and indigenous peoples safeguards for transport projects. The national resettlement specialist should have at least 5 years' experience in undertaking social assessments with a degree in sociology, anthropology, scientific land management and/or any other related field. Strong communication and writing skills in English are required. The expert should have solid experience in the conduct of social surveys and consultations. Prior work experience with ADB and/or any other relevant international development organization in the area of involuntary resettlement is a plus.

9. **Environmental Specialists (International, 2 PMs; National 2 PMs)** shall undertake: (i) review of environmental assessment documents and related reports that are readily available (MRTA EIA, feasibility study, detailed design, geotechnical studies, etc.); (ii) supplement the baseline data collected during the preparation of the MRTA EIA if necessary, using results of previous studies conducted by government agencies, universities and institutions and other organizations on air quality, noise, vibration, surface and groundwater quality, groundwater levels and flow directions, soil and sediment quality, cultural heritage, and other aspects that will be affected by the Project. Compare results of environmental ambient measurements and predicted emission levels to National Standards or World Bank Group's Environment, Health and Safety General Guidelines 2007, as appropriate; (iii) determine within two weeks after mobilization if an international hydrogeologist is necessary to enhance environmental assessment of underground sections of the purple line and ensure that impact assessment, mitigation, monitoring and other aspects regarding hydrogeology are sufficiently addressed in the EIA; (iv) undertake further public consultations as necessary, in coordination with MRTA, to ensure compliance with SPS; (v) based on the results of the above tasks, prepare an EIA with an environmental management plan (EMP) that includes cost estimates in accordance with the ADB SPS. The EIA should pay particular attention to impact assessment, mitigation and monitoring of (a) geological – e.g., land subsidence, soil and groundwater conditions, especially for the underground section's construction and operation risks (b) management of excavated spoils (dewatering and disposal), (c) air quality, (d) traffic management during construction, (e) cultural, historical and archaeological sites that may be affected by construction and excavation activities, notably Bangkok's old city, (f) vibration and noise impacts, based on modeling, on historical sites, schools, hospitals, residential areas and other sensitive receptors along the alignment, (g) preservation or replacement of green space values, (h) visual amenity, (i) unexploded ordnance, (j) health and safety, (k) solid wastes and wastewater, (l) cumulative impacts of associated transport and development projects, cumulative impacts from further planned development of the project, other sources of similar impacts in the geographical area, any existing project or condition, and other project-related developments that are realistically defined at the time the assessment is undertaken; (m) indirect and induced impacts of the project, and all other impacts associated with the design, construction and operation of the Project; (vi) identify institutional strengthening requirements along with estimated budget to ensure proper implementation of the EMP; (vii) ensure that the EIA conforms to the ADB Safeguards Policy Statement (2009), particularly to the Environmental Safeguards Policy Principles, Policy Delivery Process, environmental assessment requirements specified in

Appendix 1 (Safeguards Requirement 1: Environment) and Annex to Appendix 1 (Outline of an EIA Report); (viii) present the results of the EIA study before the Environment Community of Practice of ADB. Presentation shall be undertaken at the ADB Headquarters in Manila; and (ix) finalize the EIA based on comments of ADB and the EA. Qualification: Bachelor's degree with professional work experience of preferably 10 years or more in environment safeguard, having working experience in ADB developing member countries (for international position), and Thailand (for national position). Working experience or knowledge of ADB's operations is desirable. Thailand project experience would be preferred (for international position).

10. **Climate Change Specialists (International, 2 PMs; National 2 PMs)** shall undertake the following: (i) In consultation with MRTA, MRTA's EIA and design consultants and review of relevant project documentation, identify project components that are sensitive to climate/weather conditions and develop a detailed work plan for carrying out a climate risk assessment and management study; (ii) Carry out the climate risk and management study, including the development of climate scenarios, assessment of potential risks of climate sensitive project components to projected climate change, and the identification of possible adaptive measures to manage such risks; (iii) Prepare a detailed technical report on the study, including the overall methodology, data used, assumptions made, key findings and their implications for the project preparation, possible options to address impacts/risks to ensure climate resilient design and associated costs, caveats/limitations of the study and their implication for the project preparation. Qualification: Bachelor's degree with professional work experience of preferably 10 years or more in relevant field, having working experience in ADB developing member countries (for international position), and Thailand (for national position). Working experience or knowledge of ADB's operations is desirable. Thailand project experience would be preferred (for international position).

11. **Social Development & Gender Specialist (International, 2 PMs; National 2 PMs)** the international consultant will be consultant will be responsible for, but not limited to, the following tasks: review the Government policies and strategies for poverty reduction; (ii) conduct a poverty and social impact assessment of the overall project, beyond those directly affected persons by triggers of involuntary resettlement and indigenous peoples to specifically produce the Poverty and Social Assessment Report and the Summary Poverty Reduction and Social Strategy as linked documents; (iii) assist in the generation and analysis of poverty amongst the vulnerable sectors for beneficiaries (public-at-large) on to affected persons that cross cut with social safeguards; (iv) take prime responsibility for analyzing the proposed project from a gender perspective and developing project components and implementation mechanisms that ensure women's and girls' participation in the project, including development of a gender plan, if necessary; (v) assist the ADB team in identifying and describing project stakeholder groups using gender-disaggregated demographic data, and generally advise the team on collecting gender-disaggregated data; (vi) review documentation on the project area(s) and interview relevant stakeholders, including women and men, to develop gender profiles of stakeholders with respect to (a) differences in the roles, status, and well-being of women and men in these groups; (b) men's and women's access to services, resources, assets, and income-generating activities; and (c) men's and women's participation in decision making, development priorities, time constraints, and other factors that may affect their participation to the project; (vii) consider how men and women can participate in the project, in light of their motivations, knowledge, skills, organizational resources, and time burdens, and how the project is likely to affect gender relations in society; (viii) prepare appropriate design mechanisms to ensure women's and/or girls' access to project benefits, and to avoid increasing time or other burdens on women, including a gender plan if applicable; (ix) prepare a gender action plan; (x) identify opportunities

within the project to address women's and girls' priorities in terms of literacy and skills development, health and nutrition, income-generating activities, and other concerns, including through links to other ongoing programs and projects; (xi) identify institutions (government and nongovernment) that focus on women or gender concerns and that might contribute to the design, implementation, monitoring, or evaluation of the project; (xii) assess the capacity of the proposed executing and implementing agencies to deliver services to women and girls, and make recommendations to strengthen this capacity through the project; (xiii) with strict reference to ADB's Guidelines for Gender Mainstreaming Categories of ADB Projects (2012), identify gender-related targets and indicators and mechanisms for monitoring the gender-related impacts of the project, to be included in the DMF and project performance management system; and (xiv) provide input to ADB documentations including the RP, RRP, SPRSS, and PAM. The international social development & gender specialist shall deliver the following reports and/ or outputs: (i) a Poverty and Social Assessment Report for the project; (ii) a Gender Assessment Report for the project; (iii) Poverty and gender sections of the RP, RRP, SPRSS, and PAM; and (iv) a Gender Action Plan and (v) a Consultation/Communication Strategy/Plan. The national social development & gender specialist with guidance from the international specialist be tasked with (i) social impact assessment of the overall project, beyond those directly affected persons by triggers of involuntary resettlement and indigenous peoples to specifically produce the Poverty and Social Assessment Report and the Summary Poverty Reduction and Social Strategy as linked documents; (ii) assist in the generation and analysis of poverty amongst the vulnerable sectors - women, indigenous peoples and others as defined under country systems - for beneficiaries at the City level on to affected persons that cross cut with social safeguards; (iii) ensure appropriate consultation and participation methods will be utilized to jumpstart participation of relevant stakeholders in relation to project risks and develop mitigating measures per identified social risks during implementation; (iv) assist the International consultant in identifying and describing project stakeholder groups using gender-disaggregated demographic data, and generally advise the team on collecting gender-disaggregated data; (v) provide documentation on the project area(s) and interview relevant stakeholders, including women and men, to develop gender profiles of stakeholders with respect to (a) differences in the roles, status, and well-being of women and men in these groups; (b) men's and women's access to services, resources, assets, and income-generating activities; and (c) men's and women's participation in decision making, development priorities, time constraints, and other factors that may affect their participation to the project; and (vi) ensure mechanisms are in place for women and/or girls to access project benefits, and to avoid increasing time or other burdens on women; (vii) identify institutions (government and nongovernment) that focus on women or gender concerns and that might contribute to the design, implementation, monitoring, or evaluation of the project; (viii) assist in the assessment the capacity of the proposed executing and implementing agencies to deliver services to women and girls, and make recommendations to strengthen this capacity through the project; (ix) through meaningful consultations and ensuring the participation of women in the conduct of stakeholder and gender assessment and poverty and social analysis and link results to national and City secondary data; (x) collect, collate and analyze secondary data on poverty and social data and issues across levels (national, and City) within the transport sector with gender disaggregated data; and (xi) assist in drafting the PSA, SPRSS, Gender Assessment and if necessary the Gender Action Plan. Qualifications: the international social development & gender specialist will have a postgraduate qualification in a relevant social science, specifically in the area of poverty assessment and gender and development. He/she will provide the guidance to the government and ADB team on the subject to ensure that the proposed project activities and policies are socially inclusive, equitable, and sustainable; consistent with ADB's Guidelines for Gender Mainstreaming Categories of ADB Projects (2012). He or she will have work experience in Southeast Asia and

at least 5-year experience in the planning and design of projects with gender-related objectives and in mainstreaming gender considerations in other projects. The national social development & gender specialist will have a degree in a relevant social science, specifically in the area of gender and development. He/she will provide the guidance to the government and ADB team on the subject to ensure that the proposed project activities and policies are socially inclusive, equitable, and sustainable; consistent with ADB's Guidelines for Gender Mainstreaming Categories of ADB Projects (2012). He or she will have work experience in Southeast Asia and at least 5-year experience in the planning and design of projects with gender-related objectives and in mainstreaming gender considerations in other projects.

12. **Transport Institutional Specialist (International, 6 PMs)** shall act as the team focal for the capacity development part of the TA and shall have overall responsibility for the management of the team to prepare all required outputs of strengthening capacity in implementing and managing urban rail MRT system. The outputs will include (i) developing an urban rail MRT and multimodal transport network integration plan; and (ii) strengthening capacity in implementation and management of rail operations and maintenance. He/ She will be responsible for coordination and communication with the relevant agencies and ADB; and management of relevant consultants in the TA for preparation of reports and deliverable as required. As the Transport Institutional Specialist, his/ her tasks include: (i) review institutional arrangement for rail projects planning, implementation, management and operations (ii) articulate the functions and role of the government as a regulator and define responsibilities of concerned agencies in rail project planning, implementation, management and operations; (iii) propose enhancement for the institutional set up and organizational arrangement to achieve effective management and operations of rail projects; (iv) develop integrated network plan, fare policy and structure for MRT and multimodal public transport; (v) propose policy and institution enhancement for the implementation of MRT and multimodal transport network integration plan and integrated fare structure; (vi) prepare implementation plan; and (vii) assess the fare level and affordability of the integrated fare structure. The consultant will also lead, organize and conduct workshops and trainings for relevant government agencies to transfer the knowledge and strengthen their capacity. Qualification: Bachelor's degree and 10 years of relevant professional experience; proven management skills; and working experience in ADB developing member countries. Thailand experience would be preferred.

13. **Transport Planner (International, 3 PMs)** shall prepare overall transport plan and develop the MRT and multimodal transport demand forecast model as a basis for developing MRT and multimodal transport network integration plan and integrated fare structure to be recommended under this TA. The model shall include both ridership and revenue forecast for various integrated network and fare structures scenarios. The consultant shall also work closely with the transport institutional specialist to support strengthening capacity in implementation and management of rail operations and maintenance. Qualification: Bachelor's degree and 10 years of relevant professional experience; proven analytical skills; and working experience in ADB developing member countries. Thailand experience would be preferred.

14. **Concession Specialist (International, 2 PMs)** shall (i) review the feasibility studies and all relevant documents prepared by the government for rail projects including tendering and concession arrangement of private sector participation in operations and maintenance of South Purple Line; (ii) provide assessments on the concession arrangement; and (iii) propose recommendations for amendments to the tender and concession documents in line with international best practices and standards. The consultant shall also work closely with the transport institutional specialist to support strengthening capacity in implementation and

management of rail operations and maintenance. Qualification: Bachelor's degree and 10 years of relevant professional experience; proven analytical skills; and working experience in ADB developing member countries. Thailand experience would be preferred.

15. **PPP Transaction Advisor (International, 2 PMs)** shall (i) explore possible and identify appropriate transaction/ concession options for implementing and operating MRT system complying with the policy, institutional, legal and regulatory requirements; (ii) define the scope and structure of the preferred concession options; (iii) specify output requirements and develop a conceptual contractual frameworks and transaction structures for operating MRT system (iv) define the bid parameters and requirements for the concessions; (v) assess the affordability and formulate payment mechanism for the procurement including a careful examination of potential revenue generation from the projects, government's contribution, and impact on public sector budget for MRT system; (vi) assess whether private sector is willing and able to undertake the projects; and prepare a list of prospective international and national private sector participants and conduct market testing to gather necessary feedback to refine the concession structures. The consultant shall also work closely with the transport institutional specialist to support strengthening capacity in implementation and management of rail operations and maintenance. Qualification: Bachelor's degree and 10 years of relevant professional experience; proven analytical skills; and working experience in ADB developing member countries. Thailand experience would be preferred.

16. **Workshop Report Specialist (International, 2 PMs)** shall (i) work closely with the international transport institutional specialist to organize workshops and trainings for strengthening capacity in implementing and managing urban rail MRT system; (ii) prepare workshop and training reports; (iii) undertake rapporteur and facilitation work; and (iv) coordinate with all concerned agencies regarding participation, as well as pre-work needed for the workshops and trainings. Qualification: a relevant degree and proven track record in workshop and training reports preparation, meeting/ workshop/ training rapporteur work and facilitation with experience in Thailand is a must. Previous experience working with ADB is preferred. The Specialist should have excellent verbal and written communication skills and complete fluency in the English language.

17. **Resource Persons (International, 2 PMs)** in rail industry regarding rail business planning, management and operations may be engaged. They will provide hand-on industrial experience and specialized expertise to government agencies about recent (i) rail management, operation and maintenance; (ii) business planning; and (iii) other institutional aspects as appropriate. The resource persons will conduct knowledge transfer through workshops and trainings. Qualification: 10 years of hand-on working experience in rail industry and proven track record in rail management and operations. Sound knowledge of international best practice in rail management and operations.

18. **Demand Forecast Specialist (National, 2 PMs)** shall work with the international economist and financial specialist to support economic and financial due diligence specifically to (i) review the travel demand and revenue forecasts prepared in feasibility studies; (ii) undertake travel demand and revenue assessment; (iii) support economic and financial due diligence by providing opinion on the ridership and revenue forecast; and (iv) prepare due diligence report for ridership and revenue forecasts and travel demand assessment report. In addition, the consultant will support the international transport planner to develop the MRT and multimodal transport demand forecast model for the establishment of MRT and multimodal transport network integration plan and integrated fare structure. Qualification: Bachelor's degree and 10

years of relevant experience in Thailand. Working experience in ADB operations would be an advantage.

19. **Financial Management Specialist (National, 2 PMs)** shall work under the guidance of the international financial specialist to (i) to conduct financial and governance due diligence; (ii) carry out financial management assessment on the MRTA including assessments on budgeting, contracting, financial accounting and reporting; and auditing for project implementation; and (iii) prepare financial management assessment report and provide inputs to due diligence report. Qualification: Bachelor's degree and 10 years of relevant professional experience in Thailand, with a relevant recognized qualification. Working experience in ADB operations would be an advantage.

20. **Legal Consultant (National, 2 PMs)** shall provide advice and support with respect to regulatory requirements for developing the MRT and multimodal transport network integration plan and integrated fare structure, complying with legal and regulatory requirements. The consultant shall work with the international transport institutional specialist to advise from legal and regulatory perspective to propose enhancement for the institutional set up and organizational arrangement to achieve effective management and operations of rail projects. Qualification: Bachelor's degree and 10 years of relevant professional experience in Thailand, with a relevant recognized qualification. Working experience in legal and regulatory requirements for public sector institutional would be preferred.