

Terms of Reference for Consultancy Service on Procuring Various Experts For

Social Safeguards Monitoring and Environment Safeguards Monitoring Works of various sub-projects Under Electricity Grid Modernization Project (EGMP) and Electricity Grid Modernization Project-Additional Finance (EGMP-AF)

1. Background

Nepal Electricity Authority (NEA), Project Management Directorate (PMD) is currently implementing Electricity Grid Modernization Project (EGMP) and Electricity Grid Modernization Project-Additional Finance (EGMP-AF). Social Safeguards and Environment Management Department (SSEMD) is responsible for conducting environmental mitigation and monitoring activities of various sub-projects under EGMP and EGMP-AF. Environmental monitoring comprises baseline, impact and compliance monitoring. Mitigation and enhancement measures including awareness programs, skill development trainings and community development activities are being implemented in the project area. SSEMD is currently seeking a consultant firm for deputing qualified and experienced consultants (**specifically six environment safeguard officers, six social safeguards officers, five Junior Environment Health Safety Officers and one Ecologist/Biodiversity Expert**) situated at different project sites for the Social Safeguards Monitoring and Environment Monitoring Works under the Environment and Social Management Unit (ESMU) based at the project sites.

2. Project Description: Duration and Location of Services

EGMP and EGMP-AF includes, among other sub-projects, the following sub-projects.

Under EGMP

2.1 Ghorahi-Madichaur 132kV TL Project

The Ghorahi-Madichaur 132kV Transmission Line Project (**GMTLP**) is a component of EGMP located in Sunilsmriti Rural Municipality (RM), Swargadwari Municipality, Bangalachuli RM, and Ghorahi sub-Metropolitan City of Rolpa, Pyuthan and Dang Districts, Lumbini Province. The 132kV double circuit TL starts from the proposed Madichaur SS at Sunilsmriti RM-2 and ends at Ghorahi SS of Ghorahi SMC-3. The total length of the transmission line is about approximately 36.549km. The project components includes approximately 37km long TL, Madichaur Substation and camp/storage sites. The duration of the project shall be 36 months.

2.2 Dandakhet-Rahunghat 132kV TL Project

The Dankhet-Rahunghat 132kV Transmission Line Project (**DRTLTP**) is a component of EGMP located in Gandaki Province, Myagdi District of Western Nepal. The 132kV double circuit TL starts from the proposed Rahunghat SS of Raghuganga RM-3 and ends at the proposed Dandakhet SS of Malika RM-7. The project components includes approximately 25km long TL, Dandakhet SS, Rahunghat SS and camp/storage sites. The duration of the project shall be 30 months.



2.3 Borang-Naubise (Ratmate) 220kV TL Project

Borang-Naubise (Ratmate) 220kV Transmission Line Project (**BNTLP**) is a component of EGMP located in Nilkantha Municipality, Ruby Valley, Khaniyabas, Tripurasundari and Netrawate Dabjong Rural Municipality (RM) of Dhading District and Belkotgadhi Municipality and Tarkeshwar RM of Nuwakot District of Bagmati Province. The 220kV/132kV double circuit TL starts from the proposed Borang SS at Ruby Valley RM-4, Dhading and ends at Ratmate SS at Belkotgadhi Municipality-7, Nuwakot. The total length of the transmission line is about approximately 47.34km (22.96km of 132kV and 24.38km of 220kV). The sub-project's components includes approximately 48km long TL, Borang Substation at Borang Village, Ruby Valley RM-4 and Lapang SS of Tripurasundari RM-7 and mobile camp, construction storage yard, etc. The duration of the project shall be 42 months.

Under EGMP-AF

2.4 Kohalpur-Nepalgunj 132kV TL Project

Kohalpur-Nepalgunj Transmission Line Project (**KNTLP**) is a component of EGMP located in Baijanath Rural Municipality (RM), Kohalpur Municipality, Khajura RM and Janaki RM of Banke District of Lumbini Province. The 132kV double circuit TL starts from the Loop -In Loop -Out Tower number 19 of E-W 132 kV TL at Baijanath RM-5 and ends at proposed Janaki SS in Janaki RM-5. Banke. The total length of the transmission line is about approximately 11km. The project's components includes approximately 11km long TL, Janaki SS at Janaki RM-4 and camp/storage, etc. The duration of the project shall be 30 months.

Chovar-Patan 132kV underground TL Project

The Chovar-Patan 132kV Underground Transmission Line (**CPUTLP**) is a component of EGMP located in Kirtipur Municipality of Kathmandu District and Lalitpur Metropolitan City of Lalitpur District, Bagmati Province. The 132kV double circuit underground TL starts from the Chovar SS at Kirtipur Municipality-6 and ends at Patan SS of Lalitpur MC. The total length of the transmission line is about approximately 4.5km. The project components includes approximately 37km long TL, Chovar Substation and camp/storage sites. The duration of the project shall be 24 months.

3. Scope of the Work

The scope of the work for the consultant firm is to conduct Social Safeguards and Environment Safeguards Field Monitoring as per proposed durations of each of the following subprojects: GMTLP, DRTLP, BNTLP, KNTLP & CPUTLP. The consultant firm shall deploy required qualified and experienced consultants for SSEMU based office at the project sites.

3.1 Qualification and Experience for a Social Safeguards Officer, SSO

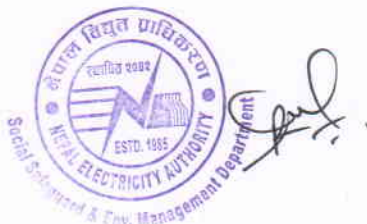
The Social Safeguards Implementation Officer (SSO) shall have Master's Degree in Sociology or Anthropology or any other Social Science with 5 years of overall experience and 2 years' experience in social safeguards monitoring and IR/RIPP implementation of infrastructure project, environment monitoring of infrastructure project, preferably transmission line/hydropower projects.



3.2 Scope of work for Social Safeguards Officer

The SSO stationed full time at field office of transmission line project will ensure that all the social safeguards requirements during the project implementation are complied, under the supervision of the SSEMD personnel. S/he shall monitor the field activities and compliance of overall RP/RIPP implementation in the field, document them and report to SSS at PO. The specific tasks of the SSO are as follows;

- Review the RP/RIPP and IEE/EMP of the project to understand proposed project activities.
- Assist Social Safeguard Specialist (SSS)/Sociologist to update the RP/RIPP and IEE in accordance with ADB's and the government's safeguard policy, as necessary;
- Facilitate and conduct consultation meeting with stakeholders, prepare consultation report preferably in matrix form of each meeting.
- Assist SSS for the preparation of monthly, quarterly, semi-annual monitoring report by timely providing field monitoring report.
- Carry out field level information disclosure activities.
- Participate in orientation provided by SSS and conduct social surveys to assess IR and IP impacts, preparing safeguards planning documents and verification of IR/IP implementation.
- Conduct socio-economic survey of the project affected households and census the affected persons and their assets keeping records.
- Conduct and support SSS in data processing and analysis.
- Provide necessary support to cadastral survey technician in informing potential affected persons and facilitate for demarcation of loss.
- Provide required information for preparing or updating resettlement plan as required.
- Assist the Project Manager and Preliminary Land Acquisition Processing Officer to orient the CDC member about the provisions made in RP document prepared for the project get compensation fixed by CDC considering the recommendations of RP/RIPP.
- Coordinate with district level line agencies and other stakeholders to disseminate information about the project, social safeguards activities and support that might be required for the project.
- Facilitate the PM and CDO on forming Grievance Redress Committee (GRC) and Local Coordination Forum (LCF) as applicable as part to facilitate land acquisition, compensation distribution, grievance resolving etc. activities.
- Support the CDO, PM, affected persons, and relevant stakeholders on organizing GRC meeting and solving grievances.
- Support the CDO, PM, affected persons on distributing compensation.
- Support on rehabilitating affected community and private assets;
- Provide necessary information on preparing and finalizing social safeguard monitoring report, and



- Coordinate with NGO/consultant/contractor/Users Group assigned for the implementation of mitigation and enhancement activities as per IEE, RP/RIPP and social safeguard document prepared for the project.

3.3 Qualification and Experience for an Environment Safeguards Officer

The Environment Safeguard Officer (ESO) shall have Master's Degree in Environmental Science or Ecology/ Forestry or relevant Natural Science with 5 years of overall experience and 2 years of experience in environmental monitoring of infrastructure project, preferably transmission line/hydropower projects.

3.4 Scope of Work for an Environment Safeguards Officer

The ESO stationed at field office established in transmission line project will ensure that all the environmental safeguards requirements during the project implementation are complied. S/he shall monitor the field activities and compliance of overall EMP requirement by the contractor, consultant and Users Group implementing the mitigation activities, document them and report to Environment Safeguard Specialist (ESS)/Senior Environmentalist at PO. The Specific tasks of the ESO are as follows:

- Review the IEE/EMP of the project to understand the background of the environmental issues and proposed project activities;
- Assist ESS to update the Initial Environmental Examination (IEE) Reports and the associated Environmental management Plan (EMP) in accordance with ADB's and the government's safeguard policy, as necessary
- Assist ESS to prepare supplementary IEE Report if required to fulfill the requirement of concerned ministry.
- Participation in the orientation provided by ESS on overall environmental safeguards requirement of the project and learn how to record field monitoring checklist.
- Coordinate with the district forest office for clearing the trees and assist forest expert for the implementation of compensatory plantation plan.
- Monitor contractor's compliance to EMP/tender clauses and construction activities. Report to project manager with a copy to ESS and Project Coordinator in case of non-conformances with recommended corrective measures and ensure these are complied with by the contractor.
- Supervise and report the performance of EMP compliance by contractor to ESS on monthly basis, with a copy to ESS and Project Coordinator.
- Coordinate with NGO/consultant/contractor/Users Group assigned for the implementation of mitigation and enhancement activities as per IEE and EMP and,
- Assist ESS in preparing quarterly, semi-annual and annual monitoring report by timely providing field monitoring report.

3.5 Qualification and Experience for Ecologist/ Biodiversity Expert



Ecologist/ Biodiversity expert shall have a Master's Degree in Ecology/ biology/ Environmental science, or a related discipline, preferably at postgraduate level. S/he shall have minimum of 5 years of experience in ecological baseline assessment and the assessment of ecosystem services, particularly in the context of infrastructure projects preferably transmission line/hydropower projects.

3.6 Scope of Work for an Ecologist/ Biodiversity Expert

The Ecologist/Biodiversity Expert shall monitor the overall project from ecological/biodiversity perspective to assess, monitor, and mitigate potential environmental impacts on biodiversity associated with the construction and operation of transmission line projects, document them and report to Environment Safeguard Specialist (ESS)/Senior Environmentalist at PO.

The Biodiversity Expert/Ecologist will be responsible for the following;

- Conducting biodiversity baseline assessments in the project area.
- Identifying and mapping critical habitats, sensitive ecosystems, and endangered species
- Conducting impact assessments to determine potential effects on biodiversity/ monitoring of the biodiversity and ecological impacts as per the IEE.
- Recommending mitigation measures to minimize negative impacts on biodiversity.
- Work with other team members to assess technically feasible and cost effective options to apply ecological and biodiversity impacts mitigation measures
- Developing biodiversity management and monitoring plans
- Providing guidance on compliance with relevant environmental regulations and standards
- Provide inputs into technical reports and knowledge product.

3.7 Qualification and Experience for Junior Environment Health Safety Officer

Junior Environment Health Safety Officer shall have a Master's Degree in Environmental Health, Safety Management/ Environmental Science or related discipline. S/he shall have minimum of 3 years of experience in assessment of occupational health and safety of workforce/workplace particularly in the context of infrastructure projects preferably transmission line/hydropower projects. S/he shall monitor the projects under scope from occupational health and safety perspective and report to Environment Safeguard Specialist (ESS)/Senior Environmentalist at PO.

3.8 Scope of Work for Junior Environment Health Safety Officer

The Junior Environmental Health Safety Officer will be responsible for;

- Assisting in the development and implementation of project-specific environmental, health, and safety plans.
- Conducting regular site inspections to identify and report potential hazards and non-compliance issues
- Providing recommendations for corrective actions and follow-up on their implementation



- Work with other team members to assess technically feasible and cost effective options to apply Occupational Health and Safety mitigation measures
- Facilitating training sessions on environmental, health, and safety practices for project staff and contractors.
- Maintaining records of incidents, near misses, and safety-related data for reporting and analysis.
- Develop Information, Education and Communication (IEC) materials to educate project related technical concerns to the community people.
- Provide inputs into technical reports and knowledge product.

4. Detailed Outputs of the assignment

4.1 Key Milestones

The Key Milestones of the Assignment are as follows:

1. Monthly Report
2. Semi-Annual Report
3. Quarterly Report
4. Construction Phase Completion Report
5. Quarterly Report for Operation Phase
6. Completion Report for Operation Phase

4.2 Team Composition for the Key Experts/ Staffing Requirement

The tentative team composition for the key personnel required is mentioned in the Table below. The consultant firm shall deploy one social safeguards officer (SSO) and one environment safeguards officer (ESO) for GMTLP at Rolpa, Pyuthan and Dang Dang Districts, one SSO and one ESO for KNTLP at Banke District, one SSO and one ESO for DRTLP at Myagdi District, two SSO and two ESO for BNTLP at Nuwakot and Dhading District and one SSO and one ESO for CPUTLP at Kathmandu and Lalitpur Districts. Each of the SSO and ESO should have the following qualification and working experience

S.N.	Key Personnel	No. of Personnel (no.)	Total Man-Month (MM)	Remarks
1.	Social Safeguards Officer	1	36	KNTLP @ 1 no. @ 36 MM /no. – 36 MM
		1	30	DRTLP @ 1 no. @ 30 MM /no. – 30 MM
		1	24	CPUTLP @ 1 no. @ 24 MM /no. – 24 MM
		1	36	GMTLP @ 1 no. @ 36 MM /no. – 36 MM
		2	84	BNTLP @ 2 no. @ 42 MM /no. – 84 MM
		6	210	Total Required SSO @ 6 no. - 210 MM
2.	Environment Safeguards Officer	1	36	KNTLP @ 1 no. @ 36 MM /no. – 36 MM
		1	30	DRTLP @ 1 no. @ 30 /no. – 30 MM
		1	24	CPUTLP @ 1 no. @ 24 pm/no. – 24 MM
		1	36	GMTLP @ 1 no. @ 36 pm/no. – 36 MM
		2	84	BNTLP @ 2 no. @ 42 pm/no. – 84 MM
		6	210	Total Required ESO @ 6 no. - 210 MM
3.	Ecologist/Biodiversity Expert	1	6	KNTLP @ 1 no. @ 6 MM /no. 6 M
			1	DRTLP @ 1 no. @ 1 MM /no. – 1 MM
			12	CPUTLP @ 1 no. @ 12 MM /no. – 12 MM



			6	GMTLP @1 no. @ 6 MM /no. – 6 MM
			12	BNTLP @ 1 no. @ 12 MM /no. –12 MM
			31	Total Required Ecologist/BD Expert @ 1 no. - 31MM
4	Junior Environment Health and Safety Officer	1	36	KNTLP @ 1 no. @ 36MM /no. – 36 MM
		1	24	CPUTLP @ 1 no. @ 24 pm/no. – 24 MM
		1	36	GMTLP @1 no. @ 36 pm/no. – 36 MM
		2	84	BNTLP @ 2 no. @42 pm/no. – 84 MM
		5	180	Total Required Junior EHS Officer @5 no -180
	Total	12	631	Total required SSO, ESO, Ecologist/BD Expert and Junior EHS officer MM-631

4.3 Reporting Requirements and Time Schedule for Deliverables

The consultant shall prepare and submit the monthly, quarterly, semi-annual social safeguards monitoring report to SSEMD. Besides, consultant shall provide necessary inputs in the preparation of all other reports as listed in the Table below:

The general reporting requirements are as follows:

- The format of the report shall be as per past reports. The frequency of the reports shall be based on the ADB/GoN requirements. The content of the reports shall also be based on the ADB/GoN requirements.
- The dates of the submission of each document/report shall be as per ADB requirement.
- The reports shall be submitted to SSEMD Office.

S.N.	Report/Document	Type / No. of copies	Deliverables	Remarks
1.	Inception Report Environment and Social	Soft copy/ 3 Hard copy	Within 30 days after contract agreement	Prepare all by SSO and ESO and submit to SSEMD
2.	Monthly Report	Soft copy/ 3 Hard copy	Every month after the effective date of the contract, within 10 working days from the end of the month	Prepare all by SSO and ESO and submit to SSEMD
3.	Updated IEE Report/ Supplementary IEE Report	Soft copy/ 3 Hard copy	3 months after the completion of check survey by the contractor of respective sub-project / If required	Provide necessary inputs to the SSEMD expert for preparing the report
4.	Public consultation and communication plan	Soft copy/ 3 Hard copy	Within 3 months after the consultant is on board	Prepare all by SSO and ESO and submit to SSEMD
5.	Compensatory Plantation Plan	Soft copy/ 3 Hard copy	6 months after completion of check survey	Prepare all by SSO and ESO and submit to SSEMD
6.	Semi-Annual Social Safeguards Compliance Monitoring Report	Soft copy/ 3 Hard copy	Every 6 months from Jan-June and Jul-Dec, within 2 weeks by the end of June and Dec every year	Provide necessary inputs to the SSEMD expert for preparing the report
7.	Semi-Annual Environment Safeguards Compliance Monitoring Report	Soft copy/ 3 Hard copy	Every 6 months from Jan-June and Jul-Dec, within 2 weeks by the end of June and Dec every year	Provide necessary inputs to the SSEMD expert for preparing the report
8.	Final Project Social Safeguards Performance Report	Soft copy/ 3 Hard copy	As Required	Provide necessary inputs to the SSEMD expert for preparing



					the report
9.	Final Project Environment Safeguards Performance Report	Soft copy/ 3 Hard copy	As Required		Provide necessary inputs to the SSEMD expert for preparing the report
10.	Updated Resettlement Plan and Indigenous Peoples Plan	Soft copy/ 3 Hard copy	As Required		Provide necessary inputs to the SSEMD expert for preparing the report
11.	Quarterly Social and Environment Management Report	Soft copy/ 3 Hard copy	Every Quarter		Provide necessary inputs to the SSEMD expert for preparing the report

5. Services, facilities to be made available to the consultant by NEA-SSEMD

5.1 Unit Office:

SSEMD will establish ESMU Offices at each sub-project site to comply with the mitigation and monitoring programs. The office space will be rented in nearby private residences, conveniently located in proximity to the project site office. ESMU Office shall be provided to the consultant.

5.2 Transportation, Logistics and Office Materials

SSEMD will provide transportation facilities, logistics and required office materials to the deployed persons at the project site.

5.3 Information to be delivered by NEA-SSEMD

SSEMD will provide a copy of project documents and any relevant background information or materials or documents on the project site, project layout and maps to the consultant to carry out the assigned tasks mentioned in the Scope of Works.

6. Terms of Payment

Payment in respect to the services shall be made monthly after the submission and approval of monthly field reports.

7. Taxes

The consultant shall bear all costs for the taxes as per the prevailing rules and regulations of Government of Nepal. The employer will deduct the amount for taxes from the payments accordingly.

