Amendment Matrix

Consulting Services: Project Supervision Consultant of Electricity Grid Modernization Project

S.No.	Page No. (In original TOR)	Original TOR	Proposed Changes (Amendment 1)
1	2	**Output 1: c -** Construction of 25 km long 220 kV transmission line from Lapang in Dhading district to Ratamate in Nuwakot district and 23 km long 132 kV transmission line from Borang to Lapang in Dhading district and associated substations of 220/132 kV 200 MVA, 132/11 kV 30 MVA and 132/33 kV 30 MVA at Borang	Construction of 25 km long 220 kV transmission line from Lapang in Dhading district to Ratamate in Nuwakot district and 23 km long 132 kV transmission line from Borang to Lapang in Dhading district and associated substations of 220/132 kV 200 MVA, 132/11 kV 30 MVA GIS Substation at Lapang and 132/33 kV 33 MVA at Borang
2	2	**Output 1: e -** Construction of substation of 132/33 kV, 2x65 MVA	Removed from scope of EGMP
3	2	**Output 1: g -** Automation of around 40 grid substation	Automation of around 34 grid substations
4	2	**Output 1: h -** Upgradation of existing 120 km 132 kV from Pathlaiya to Dhalkebar, 30 km 132 kV Duhabi to Kusaha, and 35 km 66 kV inside Kathmandu Valley transmission lines with more efficient high-temperature-low-sag conductors	Upgradation of existing 102 km 132 kV from Pathlaiya to Dhalkebar, 28 km 132 kV Duhabi to Kusaha, and 14 km 66 kV inside Kathmandu Valley transmission lines with more efficient high-temperature-low-sag conductors
5	2	**Output 2: d -** Construction of 33/11 kV 16.6 MVA substation to meet the increasing demand and enhance quality, reliability of power supply to about 35,000 customers in Surkhet, Karnali Province	Removed from scope of EGMP
6	3	**Scope of Services** **Category 1 (iii)** Construction of 26 km Lapang-Ratmate 220 kV DC Transmission Line using Twin Moose conductor, 23 km of Borang-Lapang 132 kV DC Transmission Line using Bear conductor, 220/132 kV, 200 MVA, 132/33, 30 MVA and 33/11, 8 MVA at Lapang and 132/33 kV, 30 MVA & 33/11 kV, 8 MVA SS at Borang	Construction of 26 km Lapang-Ratmate 220 kV DC Transmission Line using Twin Moose conductor, 23 km of Borang-Lapang 132 kV DC Transmission Line using Bear conductor, 220/132 kV, 200 MVA GIS SS, 132/33, 30 MVA and 33/11, 8 MVA at Lapang and 132/33 kV, 30 MVA & 33/11 kV, 8 MVA SS at Borang
7	4	**Category 2 (i)** Construction of 132/33 kV, 2x65 MVA & 33/11 kV, 16.6 MVA Surkhet Substation	Surkhet substation removed from scope of EGMP
8	4	**Category 2 (v)** 132/66 kV Transmission line conductor upgradation (120 km of 132 kV Pathlaiya-Dhalkebar DC Transmission Line, 30 km of 132 kV Duhabi-Kushaha SC TL, 35 km of 132/66 kV Transmission line in Kathmandu valley)	132/66 kV Transmission line conductor upgradation (102 km of 132 kV Pathlaiya-Dhalkebar DC Transmission Line, 28 km of 132 kV Duhabi-Kushaha SC TL, 14 km of 66 kV Transmission line in Kathmandu valley)
9	4	**Category 2 (vii)** Substation Automation of existing 40 grid substations throughout the country outside Kathmandu valley	Substation Automation of existing 34 grid substations throughout the country outside Kathmandu valley
10	6	**Scope of services** **b3:** Safeguard Management, Implementation & Monitoring	**Additional scope (xiii)** : Coordinate with individual consultants that will be separately recruited by NEA to prepare training materials and deliver trainings on developing knowledge on safe and efficient energy use for 2,000 electricity consumers (including about 40% women and disadvantaged group)
11	6	**Scope of services** **d:** Capacity building of NEA staff	**Additional Scope (ii)** : The consultant shall develop training materials, organize and deliver trainings to at least 30 eligible EA staffs (including 30% women) on operation of automated grid substations.
12	11	**Responsibilities of the Experts: International Experts** SCADA/Communications Engineer	**Additional Responsibility (x)**: Develop training materials, organize and deliver training for the EA staffs on operation of automated grid substation.

EOI submission deadline has been extended from September 22, 2020 to September 29, 2020 for online submission and from September 23, 2020 to September 30, 2020, 12:00 Hours NST for hardcopy submission.