

NEPAL ELECTRICITY AUTHORITY

Project Management Directorate

Borang Naubise (Ratamate) 220 KV Transmission Line Project

PMD/EGMP/BNRTLSS-077/78-01: Design, Supply, Installation, Testing and Commissioning of Borang Naubise (Ratmate) 220 kV Transmission Line and Associated Substations

AMENDMENT NO. 2 & 3 TO BIDDING DOCUMENT

S.No	Reference of Document	Existing provision	Amended as
1	Volume-I, Section-2, Bid Data Sheet Clause No. ITB 27.1	The deadline for bid submission is Date: 19 May 2021 Time: 12:00 Noon (Nepal Standard Time)	The deadline for bid submission is Date: 09 June 2021 Time: 12:00 Noon (Nepal Standard Time)
2	Volume-I, Section-3, Bid Data Sheet Clause No. ITB 20.1	The bid validity period shall be Date: 17 September 2021	The bid validity period shall be Date: 08 October 2021
3	Volume-I, Section-3, Bid Data Sheet Clause No. ITB 2.5	(1). Power Transformer (220 kV, 132 kV and 33 kV voltage class) i). Must have manufacturing experience of at least 7(Seven) years. ii) Must have designed, manufactured and supplied power transformer of capacity 200 MVA or above, 220 kV or higher Voltage Class, at least twice the bid quantity as a main supplier over last five (5) years period ending on the date of bid submission. Out of supplied quantity, a minimum of half the bid quantity shall have been in operation satisfactorily to the end users for at least Two (2) Years as on the date of bid opening. iii) Must hold a valid ISO9001:2000 (including design in scope of registration) certifications. iv) Must have successfully carried out the complete type test including Dynamic Short Circuit (DSC) test	(1). Power Transformer (220 kV, 132 kV and 33 kV voltage class) i). Must have manufacturing experience of at least 7(Seven) years. ii) Must have designed, manufactured and supplied power transformer of capacity 160 MVA or above, 220 kV or higher Voltage Class, at least twice the bid quantity as a main supplier over last five (5) years period ending on the date of bid submission. Out of supplied quantity, a minimum of half the bid quantity shall have been in operation satisfactorily to the end users for at least Two (2) Years as on the date of bid opening. iii) Must hold a valid ISO9001:2000 (including design in scope of registration) certifications. iv) Must have successfully carried out the complete type test including Dynamic Short


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as per IEC over last 10 (ten) years period as on the originally scheduled date of bid opening in Short-Circuit Testing Liaison (STL) - Accredited Laboratory OR must have successfully completed type test including DSC test conducted as per IEC over last 10 (ten) years period as on the originally scheduled date of Bid opening in any internationally accredited Laboratory in the presence of STL representative and certified the same by STL representative as indicated below : - Type Test on 220 kV voltage class, three phase 200 MVA (or single phase 6 X 33.33 MVA) and DSC test on similar type of 220 kV Voltage level Transformer. - Type test on 132 kV voltage class, three phase 30 MVA and DSC Test on similar type of 132 kV Voltage level Transformer. - Type test on 33 kV voltage class, three phase 8 MVA and DSC Test on similar type of 33 kV Voltage level Transformer. However, IF the Bidder/Manufacturer has not conducted the complete type tests including DSC in Short-Circuit Testing Liaison (STL) - Accredited Laboratory OR has not conducted complete type test including DSC test in the presence of STL representative in an internationally accredited laboratory as mentioned above within last 10 (ten) years THEN the bidder has to submit an undertaking letter along with the bid to carry out the complete type test on the above mentioned ratings of transformers including DSC in Short-Circuit Testing Liaison (STL)-Accredited Laboratory OR to carry out the complete type test along with the DSC in the presence of STL representative and NEA representative in any international accredited laboratory without any extra cost to the employer.

Circuit (DSC) test as per IEC over last 10 (ten) years period as on the originally scheduled date of bid opening in Short-Circuit Testing Liaison (STL) - Accredited Laboratory OR must have successfully completed type test including DSC test conducted as per IEC over last 10 (ten) years period as on the originally scheduled date of Bid opening in any internationally accredited Laboratory in the presence of STL representative and certified the same by STL representative as indicated below : - Type Test on 220 kV voltage class, three phase 200 MVA (or single phase 6 X 33.33 MVA) and DSC test on similar type of 220 kV Voltage level Transformer. - Type test on 132 kV voltage class, three phase 30 MVA and DSC Test on similar type of 132 kV Voltage level Transformer. - Type test on 33 kV voltage class, three phase 8 MVA and DSC Test on similar type of 33 kV Voltage level Transformer. However, IF the Bidder/Manufacturer has not conducted the complete type tests including DSC in Short-Circuit Testing Liaison (STL) - Accredited Laboratory OR has not conducted complete type test including DSC test in the presence of STL representative in an internationally accredited laboratory as mentioned above within last 10 (ten) years THEN the bidder has to submit an undertaking letter along with the bid to carry out the complete type test on the above mentioned ratings of transformers including DSC in Short-Circuit Testing Liaison (STL)-Accredited Laboratory OR to carry out the complete type test along with the DSC in the presence of STL representative and NEA representative in any international accredited laboratory without any extra cost to the employer.



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	<p>(2). 220 kV GIS Switchgears: -</p> <p>(i) Must have manufacturing experience of at least 7(seven) years. (ii) Must have designed, manufactured and supplied GIS Switchgears 220 kV (Circuit Breaker, Disconnections, Grounding Switches, Instrument transformers, SF6/Air & Oil Bushing, etc.) at least twice the bid quantity as a main supplier over last five (5) years period ending on the date of bid submission. Out of supplied quantity, a minimum of half the bid quantity shall have been in operation satisfactorily to the end users for at least two (2) year. (iii) Must have successfully carried out the complete type test as per IEC in Short-Circuit Testing Liaison (STL) - Accredited Laboratory on 220 kV voltage class GIS Switchgears (Circuit Breaker, Disconnectors, Grounding Switches, Instrument Transformers, SF6/Air & Oil Bushing etc.;). However, if the manufacturer has not conducted complete type tests in Short-Circuit Testing Liaison (STL) - Accredited Laboratory over last seven (7) years as on the date of bid submission, bidder has to submit undertaking letter along with bid to carry out the complete type test in Short-Circuit Testing Liaison(STL) - Accredited Laboratory from offered Manufacturer without any extra cost to Employer.</p> <p>(iv) Must hold a valid ISO 9001:2000 (including design in scope of registration)certifications.</p> <p>(3). 132 kV GIS Switchgears</p> <p>(i). Must have manufacturing experience of at least 7 (seven) years.</p> <p>(ii) Must have designed, manufactured and supplied GIS Switchgears 132 kV (Circuit Breaker, Disconnectors, Grounding Switches, Instrument</p>	<p>(2). 220 kV GIS Switchgears: -</p> <p>(iii) Must have manufacturing experience of at least 7(seven) years. (ii) Must have designed, manufactured and supplied GIS Switchgears 220 kV (Circuit Breaker, Disconnections, Grounding Switches, Instrument transformers, SF6/Air & Oil Bushing, etc.) at least twice the bid quantity as a main supplier over last five (5) years period ending on the date of bid submission. Out of supplied quantity, a minimum of half the bid quantity shall have been in operation satisfactorily to the end users for at least two (2) year. (iii) Must have successfully carried out the complete type test as per IEC in Short-Circuit Testing Liaison (STL) - Accredited Laboratory on 220 kV voltage class GIS Switchgears (Circuit Breaker, Disconnectors, Grounding Switches, Instrument Transformers, SF6/Air & Oil Bushing etc.;). However, if the manufacturer has not conducted complete type tests in Short-Circuit Testing Liaison (STL) -Accredited Laboratory over last Ten (10) years as on the date of bid submission, bidder has to submit undertaking letter along with bid to carry out the complete type test in Short-Circuit Testing Liaison(STL) - Accredited Laboratory from offered Manufacturer without any extra cost to Employer.</p> <p>(iv) Must hold a valid ISO 9001:2000 (including design in scope of registration)certifications.</p> <p>(3). 132 kV GIS Switchgears</p> <p>(i). Must have manufacturing experience of at least 7 (seven) years.</p> <p>(ii) Must have designed, manufactured and supplied GIS Switchgears 132 kV (Circuit Breaker, Disconnectors, Grounding Switches,</p>
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		<p>transformers, SF6/Air & Oil Bushing, etc.) at least twice the bid quantity as a main supplier over last five (5) years period ending on the date of bid submission. Out of supplied quantity, a minimum of half the bid quantity shall have been in operation satisfactorily the end users for at least two (2) year.</p> <p>(ii) Must have successfully carried out the complete type test as per IEC in Short-Circuit Testing Liaison (STL) - Accredited Laboratory on 132 kV voltage class GIS Switchgears (Circuit Breaker, Disconnectors, Grounding Switches, Instrument Transformers, SF6/Air & Oil Bushing etc.;). However, if the manufacturer has not conducted complete type tests in Short-Circuit Testing Liaison (STL) - Accredited Laboratory over last seven (7) years as on the originally scheduled date of bid opening, bidder has to submit undertaking letter along with bid to carry out the complete type test in Short-Circuit Testing Liaison(STL) - Accredited Laboratory from offered Manufacturer without any extra cost to Employer.</p> <p>(iv) Must hold a valid ISO 9001:2000 (including design in scope of registration) certifications.</p>	<p>Instrument transformers, SF6/Air & Oil Bushing, etc.) at least twice the bid quantity as a main supplier over last five (5) years period ending on the date of bid submission. Out of supplied quantity, a minimum of half the bid quantity shall have been in operation satisfactorily the end users for at least two (2) year.</p> <p>(iv) Must have successfully carried out the complete type test as per IEC in Short-Circuit Testing Liaison (STL) - Accredited Laboratory on 132 kV voltage class GIS Switchgears (Circuit Breaker, Disconnectors, Grounding Switches, Instrument Transformers, SF6/Air & Oil Bushing etc.;). However, if the manufacturer has not conducted complete type tests in Short-Circuit Testing Liaison (STL) -Accredited Laboratory over last Ten (10) years as on the originally scheduled date of bid opening, bidder has to submit undertaking letter along with bid to carry out the complete type test in Short-Circuit Testing Liaison(STL) - Accredited Laboratory from offered Manufacturer without any extra cost to Employer.</p> <p>(iv) Must hold a valid ISO 9001:2000 (including design in scope of registration) certifications.</p>
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