Amendment - 5 dated 10.09.2024 to
RFP documents for Selection of Bidder as Transmission service provider for
"Construction of 400/220/132 kV Grid substation at Joda/Barbil with associated transmission lines"

Existing Provisions related to Scope and % of quoted Transmission Charges and elements which are required for declaring COD

All the relevant clauses of RFP,TSA & SPA

Sl. No.	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
1.	Establishment of 2x500 MVA, 400/220 kV AIS substation at Rimuli, Odisha along with 2 X 125 MVAR (420 kV) Bus reactor. · 400/220 kV,500 MVA ICT – 2 nos · 125 MVAR ,420 kV Bus reactor– 2 nos 400 kV Bay: · 400 kV feeder bay- 4 nos. (LILO of Kaniha- Bisra) · 400 kV ICT bay- 2 nos. · 400 kV Tie bay- 4 nos. · 400 kV Bus Reactor bay- 2nos. 220 kV Bay: · 220 kV Feeder bay: 6 nos. (2 for LILO of Joda-Keonjhar, 2 nos for LILO of Joda-TTPS, 2 nos. for Rimuli-Barbil connectivity) · 220 kV ICT bay- 2 nos. · Bus Coupler bay- 1 nos. · Transfer Bus coupler (TBC)- 1 no. Future Provisions: Space for · 400/220 kV ICT along with Bay- 2 Nos. · 400 kV Line bay with line reactor - 2 Nos. · 220 kV line bay- 8 nos · 220 kV Sectionalizer bay -1 set · 220 kV Bus coupler bay - 1 no · 220 kV Transfer Bus Coupler bay: 1 no	24 Months	100% (Total)	Elements marked at S. No. 1 to 6 are required to be commissioned simultaneously as their utilization is dependent on commissioning of each other.
2.	Establishment of 2x 200 MVA, 220 kV GIS substation at existing Barbil Grid S/s (OPTCL). · 220/132 kV, 160 MVA ICT -2 nos 220 kV GIS Bay: · Line Bay: 2 nos. · 220 kV ICT Bay- 2 nos. · Bus Coupler Bay- 1 no. 132 kV AIS Bay extension in existing 132 kV switchyard: · 132 kV ICT bays : 2 nos			
3.	LILO of 400kV Kaniha (NTPC)-Bisra (OPTCL) D/C line at 400/220 kV Rimuli AIS S/s			
4.	LILO of 220kV Joda(existing)-Keonjhar S/C line at 400/220 kV Rimuli AIS S/s			
5.	LILO of 220kV Joda (existing)-TTPS S/C line at 400/220 kV Rimuli AIS S/s			
6.	220 kV D/C HTLS line from 400/220 kV Rimuli AIS S/s to existing Barbil Grid S/s (OPTCL)			

Revised Provisions

All the relevant clauses of RFP,TSA & SPA

Sl. No.	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
1.	Establishment of 2x500 MVA, 400/220 kV AIS substation at Rimuli, Odisha along with 2 X 125 MVAR (420 kV) Bus reactor. · 400/220 kV,500 MVA ICT – 2 nos · 125 MVAR ,420 kV Bus reactor– 2 nos 400 kV Bay: · 400 kV feeder bay- 4 nos. (LILO of Kaniha- Bisra) · 400 kV ICT bay- 2 nos. · 400 kV Tie bay- 4 nos. · 400 kV Bus Reactor bay- 2nos. 220 kV Bay: · 220 kV Feeder bay: 6 nos. (2 for LILO of Joda-Keonjhar, 2 nos for LILO of Joda-TTPS, 2 nos. for Rimuli-Barbil connectivity) · 220 kV ICT bay- 2 nos. · Bus Coupler bay- 1 nos. · Transfer Bus coupler (TBC)- 1 no. Future Provisions: Space for · 400/220 kV ICT along with Bay- 2 Nos. · 400 kV Line bay with line reactor - 2 Nos. · 220 kV line bay- 8 nos · 220 kV Sectionalizer bay -1 set · 220 kV Bus coupler bay - 1 no · 220 kV Transfer Bus Coupler bay: 1 no	24 Months	**29.66%**	**Elements marked at S. No. 1, 3, 4 and 5 are required to be commissioned simultaneously as their utilization is dependent on commissioning of each other.**
2.	Establishment of 2x 200 MVA, 220 kV GIS substation at existing Barbil Grid S/s (OPTCL). · **220/132 kV, 200 MVA ICT -2 nos** 220 kV GIS Bay: · Line Bay: 2 nos. · 220 kV ICT Bay- 2 nos. · Bus Coupler Bay- 1 no. 132 kV AIS Bay extension in existing 132 kV switchyard: · 132 kV ICT bays : 2 nos		**7.49%**	**For element a Sl no 2, element at Sl no 1 is pre-required. Further, elements marked at Sl. no. 2 and 6 are required to be commissioned simultaneously as their utilization is dependent on commissioning of each other.**
3.	LILO of 400kV Kaniha (NTPC)-Bisra (OPTCL) D/C line at 400/220 kV Rimuli AIS S/s		**50.96%**	**Elements marked at S. No. 1, 3, 4 and 5 are required to be commissioned simultaneously as their utilization is dependent on commissioning of each other.**
4.	LILO of 220kV Joda(existing)-Keonjhar S/C line at 400/220 kV Rimuli AIS S/s		**2.43%**	**Elements marked at S. No. 1, 3, 4 and 5 are required to be commissioned simultaneously as their utilization is dependent on commissioning of each other.**
5.	LILO of 220kV Joda (existing)-TTPS S/C line at 400/220 kV Rimuli AIS S/s		**2.43%**	**Elements marked at S. No. 1, 3, 4 and 5 are required to be commissioned simultaneously as their utilization is dependent on commissioning of each other.**
6.	220 kV D/C HTLS line from 400/220 kV Rimuli AIS S/s to existing Barbil Grid S/s (OPTCL)		**7.03%**	**Elements marked at Sl. no. 2 and 6 are required to be commissioned simultaneously as their utilization is dependent on commissioning of each other.**