

ODISHA POWER TRANSMISSION CORPORATION LIMITED
Bid Identification No. ICB Document No: OPTCL/ADB-OPSEAP/2014/Package-I
Schedules of Rates and Prices
Package-I (LOT-1)

Schedule No. 1 - Plant and Mandatory Spare Parts Supplied from Abroad								
Item	Description	Country of Origin	Unit	Qty.	Unit Price ¹		Total Price ¹	Taxes and Duties
					Foreign Currency	CIF or CIP	Foreign Currency	Local Currency
1	2	3	4	5	6	7	8 = 5x 7	9
1	Supply of 132 KV GIS Sub-station EQUIPMENT							
1.1	Supply of 145kV, 2000 A, 40 kA for 3 sec, SF6 gas insulated Line feeder bay module each comprising of SF6 gas insulated circuit breaker, current transformer, bus-bar dis connectors with common grounding switch, dis connectors with safety grounding switch(es), high speed fault making grounding switch,local control cubicle, SF6 gas monitoring system for complete bay, gas insulated terminal connection for connecting Transformer (Oil/SF6 Bushing) with GIS through gas insulated interconnection bus etc to complete Transformer Bay Module.		SET	2				
1.2	Supply of 145kV, 2000A, 40 kA for 3 sec , SF6 gas insulated Line feeder bay module each comprising of SF6 gas insulated circuit breaker, current transformer, bus-bar dis connectors with common grounding switch, dis connectors with safety grounding switch(es), high speed fault making grounding switch,local control cubicle, SF6 gas monitoring system for complete bay, gas insulated terminal connection for connecting overhead line (Air/SF6) with GIS through gas insulated interconnection bus etc.to complete Feeder Bay Module.		SET	2				
1.3	Supply of 145kV , 40 kA for 3 sec, 3- phase Isolated , SF6 gas insulated , metal enclosed 3150A bus bars each enclosed in bus enclosures running along the length of the switchgear to interconnect each of circuit breaker bay module. Each bus bar set shall be complete with potential transformer, dis connectors , bus bar grounding switch, SF6 gas monitoring system for the complete bus etc.		SET	2				
1.4	Supply of 145kV, 3150A, 40 kA for 3 sec, SF6 gas insulated Bus Coupler Bay Module comprising of SF6 gas insulated circuit breaker, current transformer, dis connectors switches, disconnector with safety grounding switch(es). Local control cubicle, SF6 gas monitoring system for the complete bay etc.		SET	1				
1.5	Supply of 132 kV Power Cable XLPE insulated 800 Sqmm Copper for the GIS system connecting to Power Transformer and Bays		LOT	1				
1.6	Supply of HV Test charges for 132 KV GIS		LOT	1				
2	Supply of 33 KV GIS Sub-station EQUIPMENT:							
2.1	Supply of 36 KV, 1250 A, 25 kA for 3 sec, SF6 gas insulated Line transfermor bay module each comprising of SF6 gas insulated circuit breaker, current transformer, bus-bar dis connectors with common grounding switch, dis connectors with safety grounding switch(es), high speed fault making grounding switch,local control cubicle, SF6 gas monitoring system for complete bay, gas insulated terminal connection for connecting Transformer (Oil/SF6 Bushing) with GIS through gas insulated interconnection bus etc to complete Transformer Bay Module.		SET	2				
2.2	Supply of 36 KV, 1250A, 25 kA for 3 sec , SF6 gas insulated Line feeder bay module each comprising of SF6 gas insulated circuit breaker, current transformer, bus-bar dis connectors with common grounding switch, dis connectors with safety grounding switch(es), high speed fault making grounding switch,local control cubicle, SF6 gas monitoring system for complete bay, gas insulated terminal connection for connecting overhead line (Air/SF6) with GIS through gas insulated interconnection bus etc.to complete Feeder Bay Module.		SET	5				
2.3	Supply of 36 KV, 1250A, 25 kA for 3 sec, SF6 gas insulated Bus Coupler Bay Module comprising of SF6 gas insulated circuit breaker, current transformer, disconnectors switches, disconnector with safety grounding switch(es) & 36 KV , 25 kA for 3 sec, 3- phase Isolated , SF6 gas insulated , metal enclosed 2000 A bus bars each enclosed in bus enclosures running along the length of the switchgear to interconnect each of circuit breaker bay module. Each bus bar set shall be complete with potential transformer, dis connectors , bus bar grounding switch, Local control cubicle, SF6 gas monitoring system etc.		SET	1				
2.4	Supply of 33 kV Power Cable XLPE insulated 630 Sqmm Copper for the GIS system connecting to Power Transformer and 33 kV Bays		LOT	1				
3	Supply of SUBSTATION EARTHING SYSTEMS (As Per Technical Specification)		LOT	1				
4	Supply of POWER CABLES,1.1KV,XLPE & PVC ,ARMOURED, ALUMINIUM CONDUCTOR (As per Technical Specification)		LOT	1				
5	Supply of CONTROL CABLES 1.1 kV PVC Stranded COPPER As per technical specification		LOT	1				
6	Supply of ACCESSORIES FOR OPGW SYSTEM (AS PER TECHNICAL SPECIFICATION)		LOT	3				
7	Supply of EPABX(Telephone Exchange) standard complied to ITU-T-G-711,G-712,Q-507, Q-517 capacity 16 lines /Trunks (2W,4W,RSU),Universal Numbering scheme,Operating console,Desktop PC-Menue driven.		No	1				
8	SUPPLY OF STATION TRANSFORMER 33KV/433V,250 KVA & OTHER MATERIALS FOR MEETING THE AUXILIARY SUPPLY OF THE SUB-STATION AS PER TECHNICAL SPECIFICATION		No	2				
9	Supply of SUB-STATION SWITCH YARD LIGHTING,IT INCLUDES SUPPLY OF FIXTURES & LAMPS (LED) of reputed make (Philips/CGL/Bajaj) with switch gear,GI Conduit etc.(Lighting fixtures are to be fixed rigidly on the Column at a suitable height so that the required lux can be maintained).		LOT	1				

10	Supply of PROTECTION,CONTROL METERING, EVENT LOGGER,BUS BAR PROT N PAN AS PER TECH SPEC WITH SUB-STATION AUTOMATION(132kV side) IEC 61850 compliant & as per technical specification.		SET	1				
11	Supply of SUB-STATION PROTECTION & AUTOMATION SYSTEM (132KV & 33kV side) (COMPRISING OF: 132 KV Bays: 2 Nos Feeder+2 Nos Transformer+1 Bus Coupler AND 33 KV Bays: 04Nos. FEEDER BAYS + 02 Nos. TRANSFORMER BAYS + 01 Nos. BUS COUPLER BAYS+ 01 Nos for Station transformer 2X250 KVA 33/0.43 KV) bays		No	8				
12	Supply of AC SYSTEM: MAIN AC DB,(HAVING 800 A,50KA,DRAWOUT TYPE ACB WITH 3 O/C,E/F,U/V RELAYING FACILITY INDOOR TYPE AS PER SPECIFICATION.(MAIN DB-1,MAIN DB-2 WITH B/C), ACDB,MAIN LIGHTING DISTRIBUTION BOARD, INDOOR LIGHTING DISTRIBUTION BOARD, EMERGENCY LIGHTING DISTRIBUTION BOARD & INDOOR RECEPTACLE BOARD etc.		SET	1				
13	Supply of DC SYSTEM: 220 V DC BOARD (HAVING 100A DC MCCB AS INCOMER, E/F (EARTH LEAKAGE), UNDER & OVER VOLTAGE AS PER SPECIFICATION (DC DB-1,DC DB-2 & B/C), 220 V DC EMERGENCY DISTRIBUTION BOARD, BATTERY CHARGER, DISTILLED WATER PLANT, OTHER TOOLS AND PLANTS (T&P's)		SET	1				
14	Supply of 33 kV gantry accessries of 33 kV Out going feeders		No	4				
15	Supply of OFFICE FURNITURE as per requirement (Godrej make)		LOT	1				
16	Supply of EOT Crane for 132 kV GIS Hall (5T Capacity) including all accessories with control panel.)		No	1				
17	132/33 kV, 40 MVA Transformer (No) (Supplied by OWNER)		No	2				
18	Supply of materials for GIS Sub Station Building , Control room and Foundation (As per specified layout drawings)		No	1				
19	Supply of materials for Water system like 4 inch Dia bore well with Quality Pipes, 0.5 HP submersive pump, 1000 lts OH tank, Sanitary fittings,switch yard water hydrant system, tap for garden etc		LOT	1				
TOTAL Column 8 to be carried forward to Schedule No. 5. Grand Summary								

Name of Bidder _____

Signature of Bidder _____

Country of Origin Declaration Form

Item	Description	Country

**Schedules of Rates and Prices
Package-I (LOT-1)**

Schedule No. 2 - Plant and Mandatory Spare Parts Supplied from Within the Employer's Country								
Item	Description	Unit	Qty	Unit Price ¹	Total EXW Price ¹	Sales Tax (CST/VAT)	Total Sales Tax (CST/VAT)	Entry Tax
1	2	3	4	5	6=3X5	7	8=4X7	9
1	Supply of 132 KV GIS Sub-station EQUIPMENT							
1.1	Supply of 145kV, 2000 A, 40 kA for 3 sec, SF6 gas insulated Line feeder bay module each comprising of SF6 gas insulated circuit breaker, current transformer, bus-bar, disconnectors with common grounding switch, dis connectors with safety grounding switch(es), high speed fault making grounding switch,local control cubicle, SF6 gas monitoring system for complete bay, gas insulated terminal connection for connecting Transformer (Oil/SF6 Bushing) with GIS through gas insulated interconnection bus etc to complete Transformer Bay Module.	SET	2					
1.2	Supply of 145kV, 2000A, 40 kA for 3 sec , SF6 gas insulated Line feeder bay module each comprising of SF6 gas insulated circuit breaker, current transformer, bus-bar disconnectors with common grounding switch, dis connectors with safety grounding switch(es), high speed fault making grounding switch,local control cubicle, SF6 gas monitoring system for complete bay, gas insulated terminal connection for connecting overhead line (Air/SF6) with GIS through gas insulated interconnection bus etc.to complete Feeder Bay Module.	SET	2					
1.3	Supply of 145kV , 40 kA for 3 sec, 3- phase Isolated , SF6 gas insulated , metal enclosed 3150A bus bars each enclosed in bus enclosures running along the length of the switchgear to interconnect each of circuit breaker bay module. Each bus bar set shall be complete with potential transformer, dis connectors , bus bar grounding switch, SF6 gas monitoring system for the complete bus etc.	SET	2					
1.4	Supply of 145kV, 3150A, 40 kA for 3 sec, SF6 gas insulated Bus Coupler Bay Module comprising of SF6 gas insulated circuit breaker, current transformer, dis connectors switches, disconnector with safety grounding switch(es). Local control cubicle, SF6 gas monitoring system for the complete bay etc.	SET	1					
1.5	Supply of 132 kV Power Cable XLPE insulated 800 Sqmm Copper for the GIS system connecting to Power Transformer and Bays	LOT	1					
1.6	Supply of HV Test charges for 132 KV GIS	LOT	1					
2	Supply of 33 KV GIS Sub-station EQUIPMENT:							

2.1	Supply of 36 KV, 1250 A, 25 kA for 3 sec, SF6 gas insulated Line transformer bay module each comprising of SF6 gas insulated circuit breaker, current transformer, bus-bar dis connectors with common grounding switch, dis connectors with safety grounding switch(es), high speed fault making grounding switch, local control cubicle, SF6 gas monitoring system for complete bay, gas insulated terminal connection for connecting Transformer (Oil/SF6 Bushing) with GIS through gas insulated interconnection bus etc to complete Transformer Bay Module.	SET	2					
2.2	Supply of 36 KV, 1250A, 25 kA for 3 sec, SF6 gas insulated Line feeder bay module each comprising of SF6 gas insulated circuit breaker, current transformer, bus-bar dis connectors with common grounding switch, dis connectors with safety grounding switch(es), high speed fault making grounding switch, local control cubicle, SF6 gas monitoring system for complete bay, gas insulated terminal connection for connecting overhead line (Air/SF6) with GIS through gas insulated interconnection bus etc. to complete Feeder Bay Module.	SET	5					
2.3	Supply of 36 KV, 1250A, 25 kA for 3 sec, SF6 gas insulated Bus Coupler Bay Module comprising of SF6 gas insulated circuit breaker, current transformer, disconnectors switches, disconnector with safety grounding switch(es) & 36 KV, 25 kA for 3 sec, 3-phase Isolated, SF6 gas insulated, metal enclosed 2000 A bus bars each enclosed in bus enclosures running along the length of the switchgear to interconnect each of circuit breaker bay module. Each bus bar set shall be complete with potential transformer, dis connectors, bus bar grounding switch, Local control cubicle, SF6 gas monitoring system etc.	SET	1					
2.4	Supply of 33 kV Power Cable XLPE insulated 630Smm Copper for the GIS system connecting to Power Transformer and 33 kV Bays	LOT	1					
4	Supply of SUBSTATION EARTHING SYSTEMS As per Technical specification	LOT	1					
5	Supply of POWER CABLES, 1.1KV, XLPE & PVC, ARMoured, ALUMINIUM CONDUCTOR (As per Technical Specification)	LOT	1					
6	Supply of CONTROL CABLES 1.1 kV PVC Stranded COPPER As per technical specification	LOT	1					
6	Supply of ACCESSORIES FOR PLLC/OPGW SYSTEM AS PER TECHNICAL SPECIFICATION)	LOT	3					
7	Supply of EPABX (Telephone Exchange) standard complied to ITU-T-G-711, G-712, Q-507, Q-517 capacity 16 lines /Trunks (2W, 4W, RSU), Universal Numbering scheme, Operating console, Desktop PC-Menu driven.	No	1					
8	SUPPLY OF STATION TRANSFORMER 33KV/0.433 kV, 315 KVA & OTHER MATERIALS FOR MEETING THE AUXILIARY SUPPLY OF THE SUB-STATION AS PER TECHNICAL SPECIFICATION	No	2					
9	Supply of SUB-STATION SWITCH YARD LIGHTING, IT INCLUDES SUPPLY OF FIXTURES & LAMPS (LED) of reputed make (Philips/CGL/Bajaj) with switch gear, GI Conduit etc. (Lighting fixtures are to be fixed rigidly on the Column at a suitable height so that the required lux can be maintained).	LOT	1					
10	Supply of PROTECTION, CONTROL METERING, EVENT LOGGER, BUS BAR PROT N PAN AS PER TECH SPEC WITH SUB-STATION AUTOMATION (132kV side) IEC 61850 compliant & as per technical specification.	SET	1					
11	Supply of SUB-STATION PROTECTION & AUTOMATION SYSTEM (132KV & 33kV side) (COMPRISING OF: 132 KV Bays: 2 Nos Feeder+2 Nos Transformer+1 Bus Coupler AND 33 KV Bays: 04Nos. FEEDER BAYS + 02 Nos. TRANSFORMER BAYS + 01 Nos. BUS COUPLER BAYS+ 01 Nos for Station transformer 2X250 KVA 33/0.43 KV) bays	No	8					
12	Supply of AC SYSTEM: MAIN AC DB, (HAVING 800 A, 50KA, DRAWOUT TYPE ACB WITH 3 O/C, E/F, U/V RELAYING FACILITY INDOOR TYPE AS PER SPECIFICATION, (MAIN DB-1, MAIN DB-2 WITH B/C), ACDB, MAIN LIGHTING DISTRIBUTION BOARD, INDOOR LIGHTING DISTRIBUTION BOARD, EMERGENCY LIGHTING DISTRIBUTION BOARD & INDOOR RECEPTACLE BOARD etc.	SET	1					
13	Supply of DC SYSTEM: 220 V DC BOARD (HAVING 100A DC MCCB AS INCOMER, E/F (EARTH LEAKAGE), UNDER & OVER VOLTAGE AS PER SPECIFICATION (DC DB-1, DC DB-2 & B/C), 220 V DC EMERGENCY DISTRIBUTION BOARD, BATTERY CHARGER, DISTILLED WATER PLANT, OTHER TOOLS AND PLANTS (T&P's)	SET	1					
14	Supply of 33 kV gantry accessories of 33 kV Out going feeders	No	4					
15	Supply of OFFICE FURNITURE as per requirement (Godrej make)	LOT	1					
16	Supply of EOT Crane for 132 kV GIS Hall (5T Capacity) including all accessories with control panel.	No	1					
17	132/33 kV, 40 MVA Transformer (Supplied by OWNER)		2					
18	Supply of materials for GIS Sub Station Building, Control room and Foundation (As per specified layout drawings)	No	1					
19	Supply of materials for Water system like 4 inch Dia bore well with Quality Pipes, 0.5 HP submersible pump, 1000 lts OH tank, Sanitary fittings, switch yard water hydrant system, tap for garden etc	LOT	1					

TOTAL Column 6 to be carried forward to Schedule No. 5. Grand Summary

Name of Bidder _____

Signature of Bidder _____

Schedules of Rates and Prices

Package-I (LOT-1)

Schedule No. 4 - Installation and Other Services									
Item	Description	Unit	Qty.	Unit Price ¹		Total Price ¹		Unit Service Tax	
				Local Currency Portion	Foreign Currency Portion	Local Currency Portion	Foreign Currency Portion	Local Currency Portion	Foreign Currency Portion

[illegible]

Name of Bidder _____

Signature of Bidder _____

Schedules of Rates and Prices

Package-I (LOT-1)

Schedule No. 5 - Grand Summary			
Schedule No.	Title	Total ¹	
		Foreign	Local
1	Plant and Mandatory Spare Parts Supplied from Abroad		
2	Plant and Mandatory Spare Parts Supplied from Within the Employer's Country		
3	Design Services		
4	Installation and Other Services		
GRAND TOTAL to be carried forward to Letter of Bid			

Name of Bidder _____

Signature of Bidder _____

NOTE: Kindly enclose soft copy of the duly filled schedule in a CD with the priced copy of Bid.

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Total Service Tax
Local Currency Portion
