

**CORRIGENDUM NO.1 TO NOTICE TO VENDORS,
Notice No. Sr.GM-CPC-Vendor-14/2013**

The list of items as under Annexure-C is modified as detailed below.

**LIST OF ITEMS FOR INCLUSION IN THE VENDOR LIST OF O.P.T.C.L FOR THE
TURNKEY PROJECTS**

SYSTEM DATA OF OPTCL

- a) DC :- 220 V DC for Control & Protection
b) AC :- 430V for Auxiliary Supply
c) DC :- 48V for communication system

SL.NO	DESCRIPTION OF EQUIPMENT OR MATERIAL
	CRITICAL ITEM
1	BREAKER
1.1	400 KV SPRING-SPRING, SF-6, 3150A, 50 KA
1.2	220 KV SPRING-SPRING, SF-6, 3150A, 40 KA
1.3	132 KV SPRING-SPRING, SF-6, 3150A, 40 KA
1.4	33 KV SPRING-VACUUM, 1600A, 25 KA
2	CURRENT TRANSFORMER (CT), 0.2S Accuracy class
2.1	400 KV & 220 KV (DEAD / LIVE TANK) 0.2S Accuracy class
2.2	132 KV (DEAD / LIVE TANK), 0.2S Accuracy class
2.3	33 KV (DEAD / LIVE TANK), 0.2S Accuracy class
3	CAPACITIVE VOLTAGE TRANSFORMER (CVT), 0.2 Accuracy class
3.1	400 KV, 220 KV & 132 KV, 0.2 Accuracy class
4	INDUCTIVE VOLTAGE TRANSFORMER (PT / IVT), 0.2 Accuracy class
4.1	400 KV & 220 KV , 0.2 Accuracy class
4.2	132 KV & 33 KV, 0.2 Accuracy class
5	SURGE ARRESTOR
5.1	400 KV, 220 KV, 132 KV & 33 KV
6	CONTROL, PROTECTION & SAS SYSTEM (Panel should be of Relay Manufacturer)
6.1	CONVENTIONAL CONTROL & RELAY PANEL(400 KV, 220 KV, 132 KV & 33 KV)
6.2	SUB-STATION AUTOMATION PANELS (400 KV, 220 KV, 132 KV & 33 KV)
6.3	NUMERICAL RELAYS, IEC-61850 (400 KV, 220 KV, 132 KV & 33 KV)
7	GIS EQUIPMENT FOR INDOOR GIS SUB-STATION
7.1	400KV
7.2	220KV
7.3	132KV
7.4	33KV
8	HYBRID GIS EQUIPMENT FOR OUT-DOOR SUB-STATION
8.1	400KV
8.2	220KV
8.3	132KV
8.4	33KV
9	ISOLATORS (Double Break Centre Rotating)
9.1	400 KV
9.2	220 KV, 132 KV & 33 KV
10	HARDWARE FITTINGS
10.1	400 KV
10.2	220 KV, 132 KV & 33 KV
11	CONDUCTOR (ACSR & AAAC)
11.1	ACSR- MOOSE (54/3.53/7/3.53) & AAAC
11.2	ACSR- ZEBRA (54/3.18/7/3.18) & AAAC

11.3	ACSR- PANTHER (30/3.0/7/3.0) & AAAC
12	EARTHWIRE (7 / 3.15mm, 7 / 3.66mm)
13	INSULATOR
13.1	DISC INSULATOR (160KN, 120KN, 90KN), ANTIFOG & NORMAL TYPE
13.2	LONG ROD INSULATOR (160KN, 120KN, 90KN)
13.3	COMPOSITE POLYMER INSULATOR ((160KN, 120KN, 90KN)
13.4	SOLID CORE POST INSULATOR
14	EHV GRADE XLPE CABLE (BOTH AL & CU) , 400 KV, 220 KV, 132 KV & 33 KV
15	STATION TRANSFORMER, 1000KVA / 630KVA / 250 KVA
16	GI BOLTS & NUTS
17	STATION BATTERY
17.1	PLANTE
17.2	VRLA
18	BATTERY CHARGER FOR VRLA & PLANTE
18.1	FLOAT CUM BOOST CHARGER
18.2	FLOAT & FLOAT CUM BOOST CHARGER
19	TESTING EQUIPMENTS
19.1	INSULATION RESISTANCE TEST KIT
19.2	CIRCUIT BREAKER. ANALYSER & TIMER
19.3	UNIVERSAL RELAY TESTING KIT
19.4	CAPACITANCE & TAN θ TESTING KIT
19.5	D.C.RESISTANCE TEST KIT FOR (a) POWER & AUTO TRANSFORMER (b) C.B.,ISOLATOR ETC
19.6	OIL TEST KIT
19.7	3 RD HARMONIC LEAKAGE TEST KIT
19.8	SF6 GAS ANALYSER
19.9	PRIMARY INJECTION KIT
19.10	DISSOLVED GAS ANALYSER
19.11	THERMOVISION CAMERA
19.12	DIGITAL TONGUE TESTER
19.13	DIGITAL MULTIMETER
19.14	FREQUENCY RESPONSE ANALYSER
19.15	DIGITAL EARTH RESISTANCE TESTING KIT
19.16	AC POWER ANALYSER
19.17	3PHASE REFERENCE STANDARD METER
19.18	TRANSFORMER TURNS RATIO METER
19.19	HOT LINE STRINGING EQUIPMENTS
20	FIRE FIGHTING EQUIPMENT
20.1	PORTABLE TYPE
20.2	HYDRANT SYSTEM (HIGH VELOCITY WATER SPRAYING)
	TELECOM ITEMS
21	48V VRLA BATTERY
22	48 V DC BATTERY CHARGER FOR VRLA
23	75 δ /125 δ HF COAXIAL CABLES
24	DIGITAL PLCC, PROTECTION COUPLER, FSK MODEM FOR VFT
25	EPABX COMPATIBLE FOR PLCC, MUX, AND OPTIC FIBRE COMMUNICATION EQUIPMENT
26	RTU CONFORMING TO IEC PROTOCOLS IN USE
27	MUX,OPTICAL LINE TERMINAL EQUIPMENT(OLTE),DIGITAL ACCESS CROSS CONNECT (DACs) & OPTCAL POWER AMPLIFIER COMPATIBLE TO OPTCL SCADA SYSTEM.
28	OPGW CABLE WITH HARDWARE ACCESSORIES
29	LINE TRAP FOR 132 KV, 220KV & 400KV SYSTEM
30	LINE MATCHING UNIT
31	MEASURING & TEST INSTRUMENTS FOR PLCC, RTU, MUX, OLTE & DACS
32	SPLITTER FOR CFE & COMPATIBLE TO OPTCL SCADA SYSTEM
33	STALLION MODULE FOR CFE & COMPATIBLE TO OPTCL SCADA SYSTEM

	NON-CRITICAL ITEM
1	TOWER & STRUCTURES FOR LINE AND SUBSTATION AND FOUNDATION BOLT (SAIL / TATA/ RINL STEEL TO BE USED)
2	PVC INSULATED POWER AND CONTRAL CABLES(With type C insulation)
3	CEMENT
4	STEEL
5	GI PIPE
6	ACDB /DCDB / BMK / CONSOLE BOX
7	CLAMPS AND CONNECTORS

All other terms and conditions remain unchanged.

SR. GENERAL MANAGER[CPC]