

LIST OF APPROVED VENDORS FOR 400 KV SIDE EQUIPMENT OF 400 / 220 KV SUBSTATION (Applicable w.e.f. 11.09.2014)			
SN	Name of equipment		Name of the vendor
1	315 MVA 400/220/33 KV Power Transformer	1	M/s BHEL
		2	M/s CGL
		3	M/s TELK Kerala
		4	M/s Areva / Alstom
		5	M/s ABB
		6	M/s EMCO
2	Tap changer for Power Transformer	1	M/s BHEL
		2	M/s TELK
		3	M/s Easun MR
		4	M/s MR
3	400 KV Line Reactor / Neutral Grounding Reactor	1	M/s BHEL
		2	M/s CGL
		3	M/s TELK
		4	M/s Areva / Alstom
		5	M/s ABB
4	400 KV SF6 Gas Circuit Breaker	1	M/s CGL, Nashik
		2	M/s ABB
		3	M/s Areva/Alstom
		4	M/s Siemens
5	400 KV Current Transformer	1	M/s CGL
		2	M/s BHEL
		3	M/s ABB
		4	M/s Areva / Alstom
		5	M/s Siemens
		6	M/s TELK
6	400 KV CVT	1	M/s CGL
		2	M/s BHEL
		3	M/s ABB
		4	M/s Areva / Alstom
7	400 KV Isolators	1	M/s S&S
		2	M/s Hivelm
		3	M/s GR Power, Hyderabad
		4	M/s Siemens
		5	M/s ABB
		6	M/s Areva / Alstom
		7	M/s Sprecher + Schuh

SN	Name of equipment		Name of the vendor
8	390 KV Lightning Arrestor	1	M/s CGL
		2	M/s ELPRO
		3	M/s Oblum, Hyderabad
9	400 KV Wave Trap	1	M/s BPL
		2	M/s Areva / Alstom
10	400 KV Control & Relay Panel (without relay)	1	M/s Areva / Alstom
		2	M/s Siemens
		3	M/s ABB
		4	M/s GE
11	Carrier Cabinet for 400 KV	1	M/s ABB
12	Disc Insulators-160 KN/120 KN	1	M/s WS Insulator
		2	M/s BHEL, Jagdishpur
		3	M/s Aditya / NGK Birla
13	400 KV Post Insulator	1	M/s WS Insulator
		2	M/s BHEL
		3	M/s Aditya / NGK Birla
		4	M/s Modern Insulators
		5	M/s Sarvana Global Energy Ltd.
		6	M/s Insulators & Electricals Company
14	Sub-station Hardwares/Clamps & connector	1	M/s IAC Electrical, Kolkata
		2	M/s Rashtra Udyog
		3	M/s Supreme & Co. Kolkata
		4	M/s EMI Transmission Ltd., Thane
		5	M/s International Trasmission Product
		6	M/s Klemmen Engineering
		7	M/s Electro mech & transtech
		8	M/s Tag Corporation, Chennai
		9	M/s Modern Malleable
		10	M/s Burma Electro Corporation Jalandhar
		11	M/s Aarpee & Associates
		12	M/s Eritech, Kolkata

Note:-

- (i) The names of the vendors are subject to further verification of various documents viz. valid type test report, ISI license (wherever applicable), drawing and GTP etc. at the time of approval for individual project.

The inclusion of names of various manufacturers in this list will not relieve the obligation of manufacturer / contractor for furnishing the aforesaid documents.

- (ii) The name of manufactures whose performance is found unsatisfactory shall be deleted from vendor list.

**LIST OF APPROVED VENDORS FOR 220 KV SIDE EQUIPMENT OF 400 / 220 KV and 220/132 KV
SUBSTATION (Applicable w.e.f. 11.09.2014)**

SN	Name of equipment		Name of the vendor
1	160 MVA Power Transformer 220 /132 / 33 KV	1	M/s BHEL
		2	M/s CGL
		3	M/s TELK Kerala
		4	M/s Areva / Alstom
		5	M/s ABB
		6	M/s EMCO, Thane
		7	M/s Siemens
		8	M/s Transformer & Rectifiers
2	Tap changer for power transformer	1	M/s BHEL
		2	M/s TELK
		3	M/s Easun MR
		4	M/s MR
		5	M/s CTR
3	245 KV SF6 Gas Circuit Breaker	1	M/s CGL Nasik
		2	M/s Areva / Alstom
		3	M/s Siemens
		4	M/s ABB
		5	M/s BHEL
4	220 KV Current Transformer/ Potential Transformer	1	M/s CGL
		2	M/s BHEL
		3	M/s Siemens
		4	M/s Areva / Alstom
		5	M/s ABB
		6	M/s TELK
		7	M/s SCT, Gaziabad
		8	M/s Hivoltrans
5	220 KV C.V.T.	1	M/s CGL
		2	M/s ABB
		3	M/s Areva / Alstom
		4	M/s BHEL
6	220 KV Isolator	1	M/s S&S power switchgear Ltd
		2	M/s HIVELM
		3	M/s GR Power, Hyderabad
		4	M/s Siemens
		5	M/s ABB
		6	M/s Areva / Alstom
		7	M/s Danke Electricals
		8	M/s Universal Isolators
		9	M/s Wigman
		10	M/s Engineers Enterprises,Jaipur
7	198 KV Lightning Arrestor	1	M/s CGL
		2	M/s Elpro
		3	M/s Lamco Hyderabad
		4	M/s Oblum, Hyderabad
8	220 KV Wave Trap	1	M/s BPL
		2	M/s Areva / Alstom
9	220 KV Control and Relay panel (without relay)	1	M/s Areva / Alstom
		2	M/s Siemens
		3	M/s Easun Reyrolle
		4	M/s GE
		5	M/s Maktel Control,Vadodara
		6	M/s ABB
10	Carrier Cabinet for 220 KV	1	M/s ABB, Mumbai (For protection, speech & telemetering)
		2	M/s BPL (For speech & telemetering only)
11	Disc Insulator-160 KN/ 120 KN/ 90KN/ 70 KN	1	M/s W.S. Insulators
		2	M/s BHEL
		3	M/s Aditya / NGK Birla

SN	Name of equipment		Name of the vendor
12	220 KV Post Insulator	1	M/s W.S. Insulators
		2	M/s BHEL
		3	M/s Aditya / NGK Birla
		4	M/s Modern Insulators
		5	M/s Insulators & Electricals
		6	M/s Sarvana Global Energy Ltd.
13	Sub-station Hardwares/Clamps & connectors	1	M/s IAC Electrical, Kolkata
		2	M/s Rashtra Udyog
		3	M/s EMI Transmission Ltd., Thane
		4	M/s International Trasmission Product
		5	M/s Klemmen Engineering
		6	M/s Electro mech & transtech
		7	M/s Burma Electro
		8	M/s Aarpee & Associates
		9	M/s AK Power Industries Pvt. Ltd.
		10	M/s Supreme & Co. Kolkata
		11	M/s Tag Corporation, Chennai
		12	M/s Modern Malleable
		13	M/s Star Iron
		14	M/s Tyco
		15	M/s DAC
		16	M/s Eritech
		17	M/s Vinay industries, Rajanandgaon

Note:-

- (i) The names of the vendors are subject to further verification of various documents viz. valid type test report, ISI license (wherever applicable), drawing and GTP etc. at the time of approval for individual project.
The inclusion of names of various manufacturers in this list will not relieve the obligation of manufacturer / contractor for furnishing the aforesaid documents.
- (ii) The name of manufactures whose performance is found unsatisfactory shall be deleted from vendor list.

**LIST OF APPROVED VENDORS FOR 132 KV SIDE EQUIPMENTS OF 132/33 KV SUBSTATION
(Applicable w.e.f. 11.09.2014)**

SN	Name of equipment		Name of the vendor
1	63, 40 MVA, 132/33 KV Power Transformer	1	M/s BHEL
		2	M/s CGL
		3	M/s TELK Kerala
		4	M/s Areva / Alstom
		5	M/s ABB
		6	M/s EMCO, Thane
		7	M/s Andrew Yule, Chennai
		8	M/s Bharat Bijilee, Mumbai
		9	M/s Toshiba Transmission & Distribution System India Pvt.Ltd., Hyderabad (formerly M/s Vijai Electricals)
		10	M/s Transformer & Rectifiers, Ahmedabad
		11	M/s Siemens, Gurgaon
		12	M/s. Technical Associates Ltd., Lucknow
2	Tap Changer for Power Transformer	1	M/s BHEL
		2	M/s TELK
		3	M/s Easun MR
		4	M/s MR
		5	M/s CTR
3	132 KV SF6 Circuit Breaker	1	M/s CGL
		2	M/s ABB
		3	M/s Areva / Alstom
		4	M/s Siemens
		5	M/s BHEL
4	132 KV Current Transformer/ Potential Transformers	1	M/s CGL
		2	M/s BHEL
		3	M/s ABB
		4	M/s Areva / Alstom
		5	M/s Siemens
		6	M/s SCT Ltd. Gaziabad
		7	M/s Vidyut Control System Secundrabad
		8	M/s Universal Magnoflux, Indore
		9	M/s TELK
		10	M/s Hivoltrans Elect.
		11	M/s Lamco Hyderabad (132 kV PT only)
		12	M/s Heptacare Power Ind.Meerut
5	132 KV Coupling capacitors	1	M/s CGL
		2	M/s Areva / Alstom
		3	M/s ABB
		4	M/s BHEL
6	132 KV Isolators	1	M/s S & S Power Switchgear Equipment, Chennai
		2	M/s Hivelm, Chennai
		3	M/s GR Power, Hyderabad
		4	M/s Siemens
		5	M/s ABB
		6	M/s Areva / Alstom
		7	M/s Power line Accessories, Raipur
		8	M/s Danke Elect. Switchgears, Vadodara
		9	M/s. Elektrolites (Power)
		10	M/s Universal Isolators
		11	M/s Versatec
		12	M/s G K Electricals
		13	M/s Wigman
		14	M/s Engineers Enterprises, Jaipur
7	120 KV Lightning Arrestor	1	M/s CGL
		2	M/s Oblum, Hyderabad
		3	M/s Elpro
		4	M/s Lamco Hyderabad
8	132 KV Wave Trap	1	M/s Areva / Alstom
		2	M/s BPL

SN	Name of equipment		Name of the vendor
9	132 KV Control & Relay Panel (without relays)	1	M/s Areva / Alstom
		2	M/s Siemens
		3	M/s ABB
		4	M/s GE
		5	M/s ERL
		6	M/s Danish, Jaipur
		7	M/s Amara Raja
		8	M/s Venson, Bangalore
		9	M/s Maktel Control, Vadodara
		10	M/s Enpro Industrial Automation, Chennai
		11	Ms Schneider Electric
10	Carrier Cabinet for 132 KV	1	M/s ABB, Mumbai (For protection, speech & telemetering)
		2	M/s BPL (For speech & telemetering only)
		3	M/s Puncom (Only for speech)
11	Disc Insulators-90KN/70KN	1	M/s W.S. Insulator, Chennai
		2	M/s BHEL
		3	M/s Aditya/NGK Birla Kolkata
12	132 KV Post Insulators	1	M/s WS Insulators, Chennai
		2	M/s BHEL
		3	M/s Aditya/NGK Birla, Kolkata
		4	M/s Modern Insulator
		5	M/s Insulators & Electricals, Bhopal
		6	M/s Sarvana Global Energy Ltd.
13	Sub-station Hardwares/ Clamps & connectors	1	M/s IAC Electrical, Kolkata
		2	M/s Rashtra Udyog
		3	M/s EMI Transmission Ltd., Thane
		4	M/s International Transmission Product
		5	M/s Klemmen Engineering
		6	M/s Electro mech & transtech
		7	M/s Burma Electro
		8	M/s Aarpee & Associates
		9	M/s AK Power Industries Pvt. Ltd.
		10	M/s Supreme & Co. Kolkata
		11	M/s Modern Malleable
		12	M/s Tag Corporation, Chennai
		13	M/s Star Iron
		14	M/s Tyco
		15	M/s DAC
		16	M/s Eritech
		17	M/s Vinay industries, Rajanandgaon

Note:-

- (i) The names of the vendors are subject to further verification of various documents viz. valid type test report, ISI license (wherever applicable), drawing and GTP etc. at the time of approval for individual project. The inclusion of names of various manufacturers in this list will not relieve the obligation of manufacturer / contractor for furnishing the aforesaid documents.
- (ii) The name of manufactures whose performance is found unsatisfactory shall be deleted from vendor list.

**LIST OF APPROVED VENDORS FOR 33 KV SIDE EQUIPMENTS OF 220/132/33KV; 132/33 KV
SUBSTATION (Applicable w.e.f. 11.09.2014)**

SN	Name of equipment	Name of the vendor
1	33 KV Vaccum Circuit Breaker	1 M/s CGL
		2 M/s Siemens
		3 M/s BHEL
		4 M/s Areva / Alstom
		5 Ms Schneider Electric
2	33 KV Current Transformer / Potential Transformer	1 M/s CGL
		2 M/s Laxmi Engineering
		3 M/s SCT, Gaziabad
		4 M/s Vidyut Control
		5 M/s Universal Magno Flux,Indore
		6 M/s Heptacare Power Ind,Meerut
		7 M/s Hivoltrans Elect.
		8 M/s Mehru Elect & Mech, Bhiwandi
		9 M/s Epitrans(for CT only)
		10 M/s Macroplast (for CT only)
		11 M/s Kapco(for PT only)
		12 M/s GYRO
		13 M/s Ambarnath
3	33 KV Isolators	1 M/s S & S Power Switchgear,Chennai
		2 M/s Hivelm, Chennai
		3 M/s GR Power, Hyderabad
		4 M/s Siemens
		5 M/s ABB
		6 M/s Areva / Alstom
		7 M/s Power line Accessories, Raipur
		8 M/s Danke Elect.Switchgears, Vadodara
		9 M/s. Elektrolites (Power) Pvt Ltd, Jaipur
		10 M/s GK Electricals Bhopal
		11 M/s Universal Isolators
		12 M/s Wigman
		13 M/s High tension Howrah
		14 M/s Versatec
		15 M/s Engineers Enterprises,Jaipur
4	33 KV Lightning Arrestor	1 M/s CGL
		2 M/s Oblum, Hyderabad
		3 M/s Elpro
		4 M/s Lamco Hyderabad
		5 M/s Elektrolite power pvt Ltd Jaipur
5	33 KV Control & Relay Panel (without relays)	1 M/s Areva / Alstom
		2 M/s Siemens
		3 M/s ABB
		4 M/s GE
		5 M/s ERL
		6 M/s Danish , Jaipur
		7 M/s Amara Raja, Tirupati
		8 M/s System Electronics Ltd.
		9 M/s Maktel Control,Vadodara
		10 M/s Venson, Bangalore
		11 M/s Enpro Industrial Automation, Chennai
		12 M/s Hertz Electronics
		13 Ms Schneider Electric

6	Disc Insulators-90KN/70KN	1	M/s W.S. Insulator, Chennai
		2	M/s BHEL
		3	M/s Aditya/NGK Birla,Kolkata
7	33 KV Post Insulators	1	M/s WS Insulators, Chennai
		2	M/s BHEL
		3	M/s Aditya/NGK Birla,Kolkata
		4	M/s Modern Insulator
		5	M/s Insulators & Electricals
		6	M/s Sarvana Global Energy Ltd.
8	Sub-station Hardwares/ Clamps & connectors	1	M/s Rashtra Udyog
		2	M/s IAC Electrical, Kolkata
		3	M/s Electromech & Transtech, Kolkata
		4	M/s Klemmen
		5	M/s International Trasmission Product
		6	M/s Burma Electro
		7	M/s Aarpee & Associates, Kolkata
		8	M/s AK Power Industries Pvt. Ltd.
		9	M/s Supreme & Co. Kolkata
		10	M/s EMI Transmission Ltd., Thane
		11	M/s Modern Malleable
		12	M/s Tag Corporation, Chennai
		13	M/s Star Iron
		14	M/s Tyco
		15	M/s DAC
		16	M/s Eritech
		17	M/s Vinay industries, Rajanandgaon

Note:-

- (i) The names of the vendors are subject to further verification of various documents viz. valid type test report, ISI license (wherever applicable), drawing and GTP etc. at the time of approval for individual project. The inclusion of names of various manufacturers in this list will not relieve the obligation of manufacturer / contractor for furnishing the aforesaid documents.
- (ii) The name of manufactures whose performance is found unsatisfactory shall be deleted from vendor list.

MODIFIED LIST OF APPROVED VENDORS FOR OTHER COMMON EQUIPMENTS/MATERIAL FOR 400 / 220 KV ; 220/132 KV AND 132/33 KV SUBSTATIONS

SN	Name of equipment		Name of the vendor
1	Energy Meters	1	M/s Secure Meters Ltd. (SEMS)
2	Relays for 400 KV & 220 KV - Distance (Numerical), Differential & REF (numerical), Bay control Unit, Bus bar Protection, Gateway, O/C & E/F, other protective trip and Auxiliary relay, SCADA / SAS)	1	M/s Areva / Alstom
		2	M/s Siemens
		3	M/s ABB
		4	M/s GE
		5	M/s SEL
		6	Ms Schneider Electric
3	Relays for 132 KV & 33 KV -Distance (Numerical), differential & REF (numerical), Over Current / Earth Fault, other protective trip and Auxiliary relays for 132 KV & 33 KV.	1	M/s Areva / Alstom
		2	M/s Siemens
		3	M/s ABB
		4	M/s GE
		5	M/s SEL
		6	M/s Easun Reyrolle
		7	M/s Schneider Electric
4	Ethernet Switch	1	M/s Ruggedcom
		2	M/s CISCO
		3	M/s Hirschmann
		4	M/s Masibus
5	Annunciator Relay	1	M/s Alan
		2	M/s Bhrani
		3	M/s Minilec
		4	M/s JVS
6	Time Synchronizing Unit	1	M/s Arbiter
		2	M/s SEL
		3	M/s Signal & System
		4	M/s MEINBERG
7	LT Power & Control Cable (Armoured and Unarmoured)	1	M/s Universal Cables Ltd, Satna
		2	M/s Finolex
		3	M/s Torrent cables.
		4	M/s Fort Gloster
		5	M/s Ravin cables, Mumbai
		6	M/s KEI Industries
		7	M/s KEC International
		8	M/s Unisef Cables, Gaziabad
		9	M/s Maharaja cables New Delhi
		10	M/s RK Electrical Industries
		11	M/s Balaji Cables
		12	M/s Alpha Communication
		13	M/s Nakoda
		14	M/s Capcab India Ltd.
		15	M/s Deco Industries
		16	M/s Insucon Cables
		17	M/s Pasondia Cables
		18	M/s Scot Innovation (Ekta Cables)
		19	M/s Dashmesh Cables, Mumbai
		20	M/s Omega
		21	M/s NICCO
8	Fibre Optic Cables	1	M/s Treston
		2	M/s Fine Core
		3	M/s AMP
		4	M/s Birla Furukawa
		5	M/s Sterlite Technologies Ltd.
9	EHV Cables	1	M/s Poly cab
		2	M/s Havells
		3	M/s KEI
		4	M/s Universal

SN	Name of equipment		Name of the vendor
10	Capacitor Bank	1	M/s Shreem Electrical Ltd.
		2	M/s ABB
		3	M/s BHEL
		4	M/s Mehar
		5	M/s Havells
		6	M/s Universal Cables Ltd, Satna
		7	M/s Madhav Capacitors, Pune
11	Battery Set	1	M/s Exide Industries Ltd., Kolkata
		2	M/s AMCO Batteries Ltd, Chennai
		3	M/s AmaraRaja Batteries Ltd, Tirupati
		4	M/s HBL Nife, Hyderabad
		5	M/s BUI Pvt Ltd, Pune
		6	M/s Kirloskar Batteries, Bangalore
		7	M/s Aaj Accumulator Pvt. Ltd. Kolhapur
12	Battery charger	1	M/s Chhabi
		2	M/s Dubas
		3	M/s HBL Nife, Hyderabad
		4	M/s Amara Raja
		5	M/s AE
		6	M/s Hind Rectifier
		7	M/s Panwa Engineering
		8	M/s ARMO Electricals, Nagpur
		9	M/s AFCO Industrial
		10	M/s Redtron
13	High Mast & its Luminaries	1	M/s Bajaj
14	Light Fixtures/fan & Exhaust fan	1	M/s CGL
		2	M/s Philips
		3	M/s GE
		4	M/s Bajaj
		5	M/s Wipro
		6	M/s Havells
		7	M/s Khaitan (Fans only)
		8	M/s Polar (Fans only)
		9	M/s HPL India Ltd (for lighting fixtures & Luminaires only)
15	Furniture	1	M/s Godrej
16	Filter Machine	1	M/s Vaccum Plant, Pune
		2	M/s Fowler westrup, Bangalore (earlier name M/s John
17	DG Set	1	M/s Jackson
		2	M/s Cummins
		3	M/s Kirloskar
		4	M/s GE Power System
		5	M/s Shriram Honda
18	RTU	1	M/s ABB
		2	M/s GE
		3	M/s Honeywell
		4	M/s Chemtrol, Goa
19	Steel Structure for Gantry & equipment support structure / Lighting mast etc	1	M/s KSK
		2	M/s Vijay Transmission
		3	M/s Ashutosh Electrical, Raipur
		4	M/s Shreem Electrical Ltd. Jaisinghpur
		5	M/s Indo East Corporation Pvt. Kolkata
		6	M/s Nandan Steel & Power Pvt. Ltd, Raipur
20	Earth Wire (7/3.66 mm)	1	M/s Bharat Wire Ropes, Thane
		2	M/s UIC Udyog Limited, Kolkata
		3	M/s Ramswarup Ind. Corp. Nadia
		4	M/s Manoharlal Hiralal, Gaziabad
		5	M/s Ratlam Wires, Ratlam
		6	M/s Cabcon
		7	M/s Usha Martin

SN	Name of equipment		Name of the vendor
21	ACSR Moose conductor	1	M/s Gupta Cable
		2	M/s North East conductor
		3	M/s Unity Conductors
		4	M/s Galaxy Transmission Ind. Sangali
		5	M/s Apar Industry, Silvasa/Nalagarh
		6	M/s Shashi Cables, Lucknow
		7	M/s JSK (Formerly Hiren) Ind. Silvasa
		8	M/s Smita Conductor Khanvel
		9	M/s Prem Conductors, Silvasa
		10	M/s Lumino
		11	M/s Sterlite Technologies Ltd.
22	ACSR Zebra conductor	1	M/s Sterlite Technologies Ltd.
		2	M/s Gammon India Silvasa
		3	M/s Lumino Ind.Ltd Howrah
		4	M/s Smita Conductor Khanvel
		5	M/s Prem Conductors, Silvasa
		6	M/s Galaxy Transmission Ind. Sangali
		7	M/s Gupta Cable
		8	M/s North East conductor
		9	M/s Apar Industries
		10	M/s Unity Conductors
		11	M/s Omega
		12	M/s Pioneer
		13	M/s Venkateshvara wires Jaipur
		14	M/s Rajputana cables and conductor Korba

Note:-

- (i) The names of the vendors are subject to further verification of various documents viz. valid type test report, ISI license (wherever applicable), drawing and GTP etc. at the time of approval for individual project. The inclusion of names of various manufacturers in this list will not relieve the obligation of manufacturer / contractor for furnishing the aforesaid documents.
- (ii) The name of manufactures whose performance is found unsatisfactory shall be deleted from vendor list.
- (iii) Any other items/component not covered in these lists - Reputed make subject to prior permission from CSPTCL duly furnishing all their credentials and documents sought by office of CE (Transmission).