

**LIST OF VENDORS APPROVED FOR VARIOUS ITEMS USED IN
LINE WORKS ON TURNKEY CONTRACTS**

SN	Item(s)	Name of Vendor
1	ACSR/AAAC conductor	<ul style="list-style-type: none"> (i) M/s Cabcon India Pvt. Ltd. Dhulagarh Industrial Park, NH6 Bombay Road, P.S. Sankrail, Howrah-711302 (ii) M/s Shashi Cables Ltd., A-3, Amausi Industrial Area, Lucknow (iii) M/s Sterlite Technologies Ltd., Power Transmission Business, Plot No. 2D, Sector 10, IIE SIDCUL, Haridwar (iv) M/s Apar Industries Ltd., Conductor Division Survey No.148/1, Rakholi Road, Kudacha, Silvassa, India (v) M/s JSK Industries, Private Ltd,369/1/1/2, Village Sayli, Silvassa (vi) M/s Gammon India Ltd. Silvassa (vii) M/s Smita Conductors, Khanvel (viii) M/s Prem Conductors Ltd. Silvasa (ix) M/s Hiren Aluminium & Co., Rakholi (x) M/s. Galaxy Cables Industries, Plot No. N-3, MIDC Kupwad Block. Sangli 416 436 (MS)
2	Ground Wire 7/3.66 mm	<ul style="list-style-type: none"> (i) M/s Bharat Wire Ropes Ltd., Mumbai Nasik Highway, Taluka Shahpur, Dist. Thane (Maha.). (ii) M/s UIC Udyog Limited, Industrial Growth Centre, Phase-III, PO-Kalyani, Dist. Nadia, West Bengal (iii) M/s Ramsarup Industrial Corporation, Kalyani, Nadia (WB), (iv) M/s Mannohar Lal Hira Lal Ltd , Ghaziabad
3	Stringing hard wares	<ul style="list-style-type: none"> (i) M/s. EMI Transmission Ltd., Thane (ii) M/s Rashtra Udyog Ltd., Kolkata (iii) M/s. IAC Electricals, Kolkata (iv) M/s. Tag Corporation, Chennai (v) M/s. International Transmission Products, Mumbai (vi) M/s Eritech, Kolkatta (vii) M/s Supreme & Co. Pvt. Ltd. Kolkatta
4	Disc Insulators	<ul style="list-style-type: none"> (i) M/s. Bharat Heavy Electricals Ltd (ii) M/s. WS Insulators, Chennai (iii) M/s. Aditya Birla Nuvo Ltd, Hoogly (iv) M/s Bikaner Ceramics Pvt. Ltd. Industrial Area, Bikaner, Rajasthan for 70KN & 90KN Disc Insulators.
5	G.I. Bolts & Nuts / Washers	<ul style="list-style-type: none"> (i) M/s Bharat Industries, Howrah (ii) M/s GKW Howrah (iii) M/s A.R. Fastners, E-71,Industrial Focal Point, Derabassi, Punjab (iv) M/s HR Steel Industries, 261, G T Road (N), Salkia, Howrah (v) M/s Nexo Industries Ltd.585 ,Overlock Road,Millar Ganj,Ludhiyana (vi) M/s Deepak Fasteners Ltd. DLF International Ltd. 4th Floor 1st Mall, Mall Road, ,Ludhiana (vii) M/s Techman (India) 163, Industrial Area, Phase-II, Chandigarh (viii) M/s Naveen Metal Industries,,265, Rai Bahadur Road, Kolkatta (ix) M/s Roshan Implex, Ludhiyana

6	Danger Plate/ Phase Plate/ Number Plate/ circuit Plate	(i) M/s Hind Enamel Works, Mumbai (ii) M/s JK Ceramics, Pune (iii) M/s. Premier Enamels, Aligarh (iv) M/s Kaveri Enamels & Allied Industries, Bangalore (v) M/s Lohar Engineers, Jaipur/ Mumbai (vi) M/s S.F. Enterprises, Station Road, Raipur (CG) (vii) M/s Premier Enamel Works, Premier Nagar Silvasa
7	Earthing/ Counter Poise Earthing	(i) M/s Reliance Engineering Co., Thane (ii) M/s. Lohar Engineers, Jaipur/ Mumbai (iii) M/s Madras Hard Tools Ltd., Chennai (iv) M/s Bharat Wire Ropes Ltd., Mumbai (v) M/s Mina Industries, Howrah. (vi) M/s Supreme & Company Pvt. Ltd. NH-6, Bombay Road, Howrah,
8	'D' Shackle & Hangers	(i) M/s Mina Industries, Howrah. (ii) M/s Essar Forgings, MIDC, Tarapura, Boisar (M.R.) (iii) M/s Aqsa Towers Ltd., Bhayander, Mumbai (iv) M/s Aisha Transmission Products, Jaipur (Rajasthan)
9	Bared Wire	i) M/s Reliance Wire Product, Shahpur, THANE ii) M/s Swastik Wires, Industrial Estate, Bhanpuri, Raipur

LIST OF APPROVED TOWER MATERIALS MANUFACTURERS FOR TURNKEY LINE WORKS

S.No.	Name of Tower Manufacturer
1	M/s KEC International Ltd. Gurgaon
2	M/s Unique Structures & Towers Ltd. Bhilai
3	M/s Jyoti Structures Limited. Mumbai
4	M/s Gammon India Ltd. Nagpur
5	M/s Kalptaru Power transmission Ltd. , Gandhinagar
6	M/s Larsen & Tubro Limited Chennai

Note:

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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 names of new vendors may be included in this list on making application to CE (Trans.) along with following documents for approval.
- Credentials for supply of equipment/ material.
 - Type test report not older than five years
 - Valid ISI license (wherever applicable).
 - Drawings
 - GTP
 - Any other documents sought by office of CE (Trans).

- (iii) This list shall be updated from time to time and names of those manufacturers whose / type test report / ISI license are not found valid shall be deleted. Further, name of those manufactures whose performance has been found to be not satisfactory shall also be deleted.

**List of approved vendors of important equipments/ materials
for EHV Substations for turn key contracts**

Sl. No.	Description of Equipment	Manufacturer's Name
1.	Power Transformer 400/220/33 KV & 220/132 KV	BHEL/ CGL/ TELK/ Areva/ABB
2.	Power Transformer 132/33 KV	BHEL/ CGL/ TELK/ Areva/ABB/ Bharat Bijlee Ltd/ Andrew Yule & Co. Ltd./ Vijai Elect./ ./Transformer & Rectifier
3.	Line reactor 400KV & NGRs	BHEL/ CGL/ TELK/ Areva/ABB
4.	Tap Changer for power X'mer 400/220KV	BHEL / TELK/ Easun MR/MR
5.	Tap Changer for power X'mer 220/132KV & 132/33KV	BHEL / TELK/ Easun MR/MR/ CTR
6.	400 KV, 220KV & 132KV SF6 Gas Circuit Breakers	CGL / ABB / Areva /Siemens
7.	33KV Vacuum Circuit Breakers	CGL/ Siemens/ BHEL/ Areva
8.	400 KV Current Transformers	CGL / BHEL / ABB / Areva/ Siemens
9.	220KV Current Transformers/ Potential Transformers	CGL / BHEL / ABB / Areva/ Siemens
10.	132KV Current Transformers/ Potential Transformers	CGL / BHEL / ABB / Areva/ Siemens/ SCT/ Vishal/ Vidyut Control
11.	33 KV Current Transformers/ Potential Transformers	CGL / BHEL / ABB / AREVA/ Laxmi Engg/ Siemens / SCT/ Vishal/ Vidyut Control/ Universal Magno Flux/ Heptacare/Mehru Electricals
12.	400 KV CVT	CGL / BHEL /ABB/AREVA
13.	400 KV Isolators	S&S/ HIVLM/ GR Power/SPRECHER & SCHUH/Siemens/ABB/AREVA
14.	220KV Isolators	S&S/ HIVELM/ GR Power/ Siemens/ ABB/ Areva/ Danke Electricals
15.	132KV & 33KV Isolators	S&S/ HIVELM/ GR Power/ Siemens/ ABB/ Areva/ Power Line Accessories/ Danke Elect./ Elektrolites
16.	390 KV Lightning Arrestors	CGL / Areva / Elpro
17.	198KV, 120KV & 30 KV Lightning Arrestors	CGL/ Areva/ Elpro/ Lamco/ Oblum
18.	400KV, 220, 132KV Wave Trap	Areva/ ABB/ BPL

Sl. No.	Description of Equipment	Manufacturer's Name
19.	Carrier Cabinets for 400 & 220 KV	ABB
20.	Carrier Cabinets for 132 KV	ABB / BPL/ Areva
21.	RTU	GE/ Honeywell/ ABB/ Chemtrols
22.	400 KV Control & Relay Panel	Areva / Siemens / ABB /GE /SEL
23.	220 KV Control & Relay Panel	Areva / Siemens / ABB /GE / SEL/ Easun Reyrolle/Maktel Power
24.	132KV Control & Relay Panel	Areva / Siemens / ABB /GE / SEL/ Easun Reyrolle/ Danish/ Amara Raja/ Venson Electric/Maktel Power
25.	33KV Control & Relay Panel	Areva / Siemens / ABB /GE / SEL/ Easun Reyrolle/ Danish/ Amara Raja/ System Electronics Ltd. /Maktel Power
26.	Relays for 400 KV & 220 KV	
	(a) Distance (Numerical)	Areva / Siemens / ABB /GE /SEL.
	(b) Differential & REF.(Numerical)	Areva / Siemens / ABB /GE/ SEL
	(c) Bay control Unit	Areva / Siemens / ABB /GE/ SEL
	(d) Bus Bar Protection	ABB / Areva / Siemens / GE / SEL
	(e) Ethernet switch	RUGGEDCOM
	(f) Gateway	Areva / Siemens / ABB /GE/ SEL
	(g) Over current/ Earth fault, other protective, trip and auxiliary relays	Areva / Siemens / ABB /GE/ SEL
	(h) Annunciator relay	ALAN/ BHRANI
	(i)Time Synchronising unit	Arbiter/SEL
	(j) SCADA/SAS	Areva / Siemens / ABB /GE/ SEL
27.	Relays for 132 KV	
	(a) Distance (Numerical)	Areva / Siemens / ABB /GE /SEL./Easun Reyrolle
	(b) Differential & REF.(Numerical)	Areva / Siemens / ABB /GE /SEL./Easun Reyrolle
	(c) Over current/ Earth fault, other protective, trip and auxiliary relays	Areva / Siemens / ABB /GE /SEL./Easun Reyrolle
	(d) Annunciator relay	ALAN/ BHRANI

Sl. No.	Description of Equipment	Manufacturer's Name
28.	Relays for 33 KV	
	(a) Over current/ Earth fault, other protective, trip and auxiliary relays	Areva / Siemens / ABB /GE /SEL./Easun Reyrolle
	(b) Annunciator relay	ALAN/ BHRANI
29.	Energy Meter	Secure Meters
30.	Station Batteries	Exide/AMCO/HBL NIFE/Amara Raja
31	Battery Chargers	Chhabi/ Dubas/ HBL Nife/ Amara Raja/AE/ Hind Rectifier
32.	LT Power & Control cables	UCL/ Finolex/ Torrent Cables/ Fort Gloster/ Ravin Cables/ KEI/ KEC/ Unisef/ Maharaja
33.	Disc & Post Insulators	WS Insulator/BHEL/Aditya Birla
34.	Insulator Hardware/clamps	IAC Electricals/Rashtriya Udyog/ Tag Corp./EMI Transmission/International Transmission/ Modern Malleable/ KLEMMEN/ Electromech & Transtech
35.	Light Fixtures	CGL/ Bajaja/ Philips/ Wipro/ GE
36.	Furniture	Godrej
37.	T.& P. : Filter Machine	Vacuum Plant, Pune/ John Fowler Bangalore
38.	ACSR Conductor	Gupta Cable/ North East Conductor/ Unity/ Galaxy/ Apar Industries
39.	Earth Wire	UIC/ Cabcon/ Usha Martin
40.	DG Set	Jackson Cummins, Kirolskar
41.	Visual Monitoring system: Camera	Sony
42.	Servers/ PCs	Dell/ HP/IBM
43.	Fibre Optics cable	Treston/Fine core/AMP/Birla Furukawa
44.	Capacitor Bank	Shreem/ ABB/ BHEL/ Mehar/ Havells
45.	Steel Structures	Jyoti Structure/ Kalpataru Power/ KSK/ Vijai Transmission/ Ashutosh Electricals/ Shreem Electricals
46.	Desktop computer with UPS, RAM 2GB Hard Disk 500 GB	IBM/ HP/ DELL/ Compaq
47.	UPS for Desktop	APC/ Wipro

Sl. No.	Description of Equipment	Manufacturer's Name
48.	Laser jet printer size A3/ A4, Monochrome	Cannon 2900B, Samsung 2850D
49.	24 pin DOT Matrix printer, size A2	TVSE
50.	High Mast and its luminaries	Bajaj

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VENDOR LIST FOR FIRE PROTECTION PACKAGE

Sl. No.	Description of Equipment	Manufacturer's Name
01.	Pumps (Horizontal centrifugal)	KBL/M&P/B&C
02.	Motora (LT)	Korloskar/ GEC/ Siemens/ ABB/ Crompton
03.	Diesel engine	Ruston & Hornsby (Greaves)/ Kirloskar Oil Engine Ltd.
04.	Air Compressor	KGK/ ELGI/INGERSOL RAND
05.	Batteries	EXIDE/ AMCO/ AMARA RAJA
06.	MS/ GI Pipes	JINDAL/PRAKASH/ SAIL/ LLOYD METALS & ENGINEERS LTD.
07.	C. I. Valves	H. Sarkar/ Venus/ Kalpana(Gate & Check)
08.	Gen metal valves (Globe)	Leader
09.	Float operated Gate valve	Levcon/ sigma
10.	Deluge valve	ACE Turnkey/ HD Fire
11.	Strainer (Y-type)	Grandprix/ Jaypee/ Multitex/ & Basket arat Otofilt
12.	Hume pipe	Indian Hume Pipe/ Pargate Concrete Udyog Delhi
13.	H. V. Spray Nozzles	H.D. Fire/ACE Turnkey
14.	Q. B. Detectors	H.D Fire/ACE Turnkey
15.	Pressure Gauge	H. Guru/General Instrument
16.	Pressure Switches	Indfos/ Switzer/ Verma Trafag
17.	Level Switches	Levcon/ Sigma
18.	Level indicator	Levcon/ Sigma
19.	Level gauge	Levcon/ Sigma
20.	Hydrant Valves & Accessories	Sukan/Shah Bhogilal
21.	Hoses (Flax Canvas)	Jayshree Calcutta/Newage
22.	Solenoid Valves	AVCON/ ROTEX
23.	Heat & Smoke Detectors	Apollo, U.K. /Pyrotonics /system Sensor/ Nittan
24.	Cables	Polycab/PRWE/GEMSCAB/ KEI/Paramount
25.	Fire Extinguishers	Nitin/Vijay Fire/Lightex/ Zenith/ Minimax
26.	Fire alarm Panels	ECD
27.	Annunciators	Peacon/ Piri/ Procon
28.	Dished Ends	Anoop Engg./ Motilal/ Kanara

Sl. No.	Description of Equipment	Manufacturer's Name
29.	Local control panels & Annunciation panels	Suchitra/ Vikas Engg./UNILEC/JASPER/ MIKA/ Bose corporation.
30.	Response Indicators/Hooters	M.C. Engineering Delhi/Break Glass Units Maths, Bombay/ Mehta & Associates, Ahmedabad

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