



# ASIA POWER ELECTRICAL PRIVATE LIMITED

TRANSFORMING THE FUTURE OF POWER TECHNOLOGY



Repairing and Servicing of Power Distribution  
Transformers Specialists in erection commissioning  
and servicing of Transformers



## About Asia Power Electrical

- APE is one among the small scale unit servicing of transformers was established in the year 2003 March, Ex employees of M/s. HACK BRIDGE HEWITTIC & EASUN LTD., Chennai.
- Asia Power Electrical is situated at the outskirts of Chennai, TamilNadu with a floor space of 6000 Sq.ft. Equipped with all modern infrastructures.
- APE is supported with group of Engineers and Techno crafts having rich experience in the field of Power Transformers for more than two decades Upto 230 kV 100MVA Range.
- APE undertakes Servicing / Repairing of Power and Distribution Transformers.
- APE Undertakes servicing of all Power Process Industry, Servicing of (Co-generation Plants, Sugar / Cement / Steel / Metal / Paper / Oil & Gas Plants)

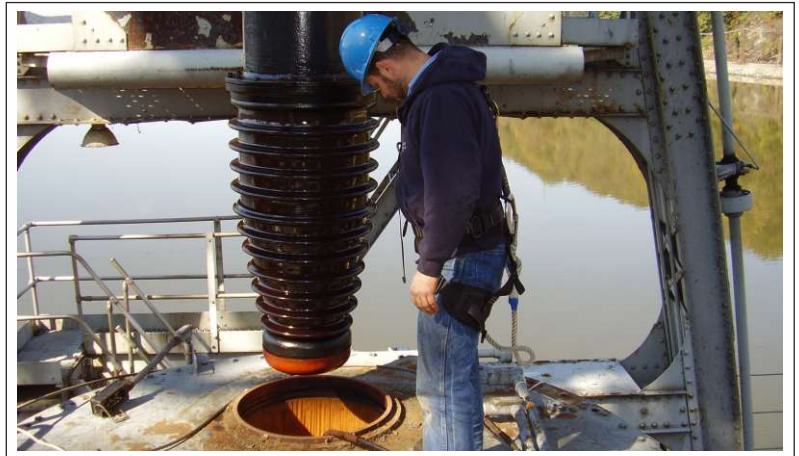




- APE also specialist in Erection Commissioning and Servicing of Power Transformers, undertakes oil filtration and Circulation for improving oil quality and IR value of Transformer, with a 4.5 KL/Hr filter machine.
- APE maintains a high degree of quality on all our products and services.
- Repairing of Transformers at site including Changing of Coils, Assembling, Drying, Heating Process, Vacuum Processing, Site Erection, Testing and Commissioning.
- Quality control is a way of life at APE.
- APE acts immediately on all the service calls.
- Service is our motto with Quality.

## Asia Power Electrical CAN HELP YOU

- To set right design failures in transformers.
- Short circuit failures
- Changing of burnt coils with a new one.
- Arresting of oil leakages.
- Changing of bushings.
- Tap changer failures (OFF Load & ON Loads)
- Malfunctioning of control schemes.





## Some of Our Most Valuable Clients

- NEPC (India) Ltd., Chennai
- Supreme Renewable energy, Pennadam
- Suzlon Energy Ltd., Pune
- TNEB, Vadakkan-kulam
- TNEB, KANNANALLUR
- TCP Ltd., Gummidipoondi
- GMR, Srikakulam, AP
- Tarapur Transformers Pvt. Ltd Mumbai
- KPTCL, Devanahalli substation
- Suryadev Alloys & Steels Ltd, Chennai
- TNEB Madurai
- TNEB, TRB, AMBATTUR, CHENNAI 58
- Sterlite Industries, Tuticorin
- Tarapur Transformers Pvt. Ltd, Mumbai
- TNEB Transformer repair bay Ambattur
- IGCAR, Kalpakkam
- Sandur power company ltd, Hosanagadi village, Karnataka
- Chemfab Alkalis limited
- Southern Railway, MRS, Perambur
- LANCO Industries, Srikalahasti(AP)
- Surya Dev, Gumudipoondi
- Power Tech, Chennai
- Auomira energy
- Savorit Pvt Ltd
- Triveni Alloys Pvt Ltd
- Agni Steels Pvt Ltd
- Stride Steels Pvt Ltd
- Vijaya Plus Energy Pvt Ltd
- Nelcast Ltd, Gudur
- Kamachi Sponge Pvt Ltd
- Saravana Steels
- Varadha Steels
- India Cement
- Goyal Ispat
- ARS Metal
- RKKR Steels
- APGENCO
- AP STEELS
- RRB VETAS
- JBA Steel
- Amman TRY
- Minimelt Eng
- Madras Cement
- Vinora Industries
- Terra Energy
- TamilNadu Electricity Board
- EID Parry Limited.
- Thiru Arooran Sugars limited
- Terra Energy Limited
- Supreme Renewable Energy Limited.
- GMR Groups
- Bannari Amman Sugars group.
- Sumangala Steels
- Airport Authority of India
- Bureau of Indian Standards.
- Transformers and Rectifiers India Limited
- Andrew Yule & Co. Ltd.
- General Electronics & Trading Co, Oman
- Southern Petro Chemicals Industries & Corporation.
- Shri ram Fibres Limited.
- Turbo Energy limited.
- Ambika Sugars Limited.
- Vestas Wind Technology India Pvt Ltd.
- Technical Stampings Automotive Ltd.



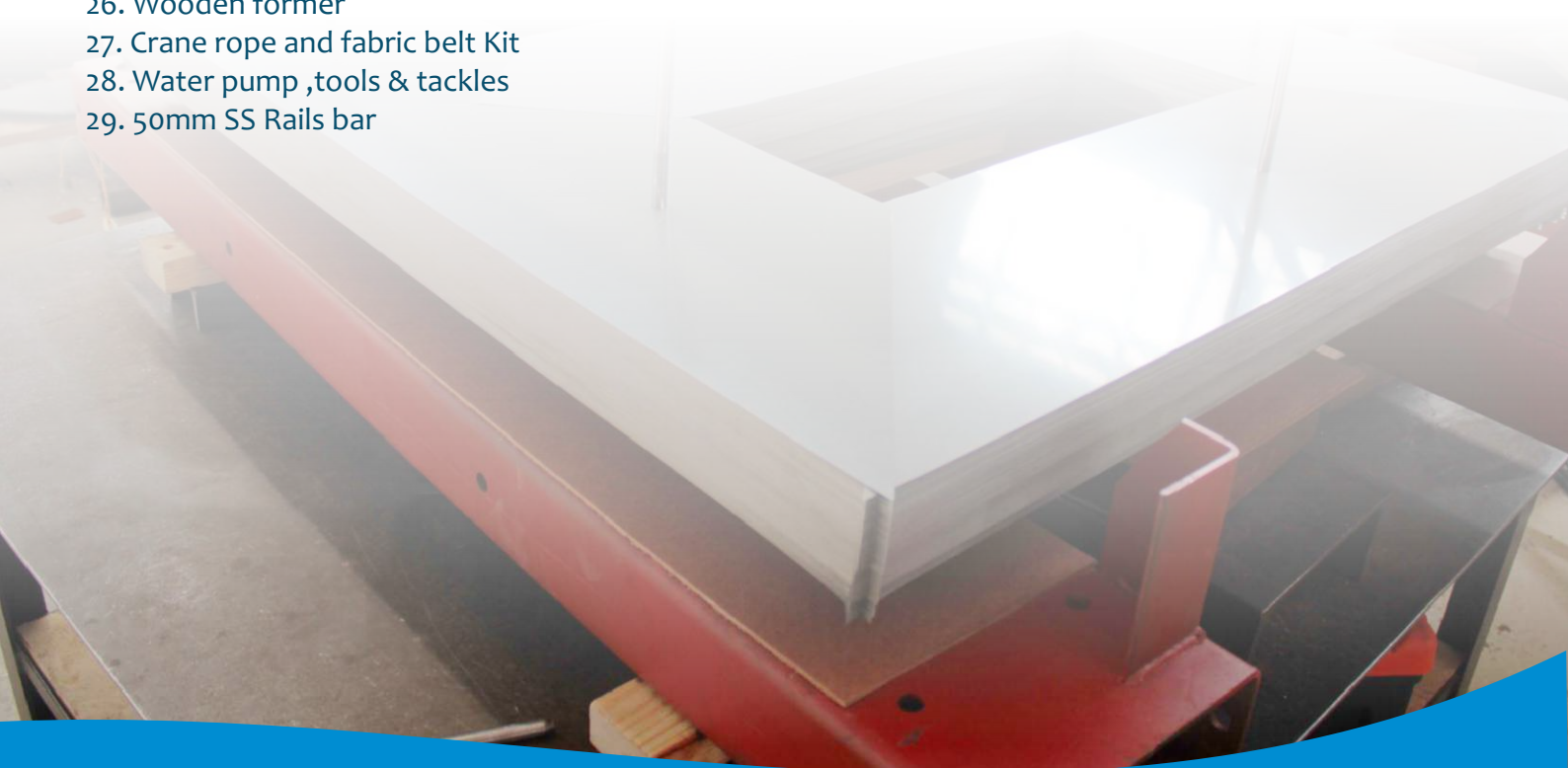


## List of Machineries

1. Drying Oven (a) (11' x 9' x 12')  
(b) (20' x 14' x 16')
2. WINDING MACHINES
  - (a) Power Tr Winding Machine(HT)
  - (b) Power Tr Winding Machine(LT)
  - (c) Distn Tr Winding Machine(HT)(LT)
3. 30 Ton Crane (EOT)
4. 5 Ton (EOT Crane)
5. Hot Air Blower (Portable) 3'x3'x3'
6. Kinney Vacuum Pump(3000 CFM)
7. Transformer Oil Filter Machine 4.5 LPH (27x2 Kw)
8. Oil Storage Tank 10 KL
9. Hydraulic Trolley
10. Drilling Machine
11. Painting Compressor
12. Welding Machine
13. Grinding Machine Portable
14. Blower
15. Mobile Chain Block
16. Shearing Cutter
17. Band saw Machine
18. Hand vice
19. Job Handling Trolley 90,000 Per unit
20. Eicher Vehicle
21. Linsher machine
22. Bobbin Stand with MS rod
23. MS Oil Tanker (2 KL)
24. New Cooling Fan and Stand
25. MSmaterials like Cross piece, legs,plate
26. Wooden former
27. Crane rope and fabric belt Kit
28. Water pump ,tools & tackles
29. 50mm SS Rails bar

## Testing Equipments

1. Flash Test Transformer (HT) 300 kV
2. Flash Test Transformer (HT) 80 kV
3. Test Bench(Voltmeter, ammeter,wattmeter)
4. Current Transformer
5. Potential Transformer
6. Automatic Transformer Ratio Meter (ELTEL)  
(0-200v)
7. Oil Test Kit ( 0 - 80 kv )
8. Micro Ohm Meter ( 100A DC )
9. High Voltage Break Down Tester (10kv)
10. Megger (Digital) - (500v - 5000 v)
11. 10kv Digital Megger Power Operated
12. Tong Tester (Digital)
13. Multi Meter (Digital)
14. D.C Ampere Meter
15. A.C & D.C Volt Meter
16. Watts Meter
17. Ampere Meter AC & DC
18. Volt Meter
19. Testing Transformer
20. Dimmer Stat - (1 phase , 3 phase)
21. Double Voltage & Frequency Genrator
22. Temperature measuring gun (-30° to 500° c )
23. Testing cables 50 meters
24. 12kv Automatic Capacitance Tan $\Delta$  Test Kit
25. 10A Winding Resistance Meter





# Credentials



भारत सरकार / Government of India  
रेल मंत्रालय / Ministry of Railways  
दक्षिण रेलवे / Southern Railway

मंडल कार्यालय / Divisional Office,  
कर्मण निरक्षण शाखा / TRD Branch,  
पालक्काड / Palakkad 678 002.

दिनांक / Dt: 30/11/2010.

संख्या / No. J/TRD/29/11/10-11/03

Asia Power Electrical,  
No. 31/1, New Ennore High Road,  
Thiruvottiyur,  
Chennai - 600 019.

## LETTER OF ACCEPTANCE OF TENDER

Dear Sir,

Sub: Tender for "Periodical Overhauling of 2 Nos. of 110/25 kV, 21.6 MVA single phase traction power transformers of Kanjikode traction sub-station" - issue of "Letter of Acceptance - Reg.

Ref: 1. Tender Notice No. J/TRD/OT/10-11/04 dt. 03/09/2010.  
2. Your offer vide No. APE/SR/21.6MVA/TENDER/2010-11 dated 11/10/2010.

Your offer for the subject work is hereby accepted by the Railways as per the details given below:-

The contract shall be governed by the terms and conditions furnished in Tender document No. J/TRD/29/11/10-11/03.

The total accepted value of the contract is ₹ 8,54,000 + Service tax @ 10.3%. The contract value inclusive of Service Tax works out to ₹ 9,41,962/- (Rupees nine lakhs forty one thousand nine hundred and sixty two only). However, it may please be noted that the Service tax will be payable only on production of original receipt of payment of service tax to the Government of India by the Contractor.

You may note that all the works under this contract shall be completed within a period of 06 (Six) months from the date of issue of this 'Letter of Acceptance' of tender.

**Security Deposit:** The Security Deposit for this contract works out to ₹ 47,098/- (Rupees forty seven thousand and ninety eight only). The EMD of ₹ 22,900/- submitted by you for the tender will be retained as part of Security Deposit. The balance amount of ₹ 24,198/- (Rupees twenty four thousand one hundred and ninety eight only) will be recovered from the running bills as per clause No. 2 (2.1 - 2.3) of 'Special Conditions of Contract'.

E:\Drg\Works\2010-11\Open Tender\LOA\03 Transformer POH.docx

## TO WHOMSOEVER IT MAY CONCERN

Mr. ER.K.ATHMARAM, B.E.,  
Executive Engineer,

Date :  
Transformers Repair Bay  
Tamilnadu Electricity Board,  
Ambattur, I.E., Chennai - 600 058.

This is to certify that **Thiru. F. RANJAN**, M/s. ASIA POWER ELECTRICAL, Thiruvottiyur, Chennai - 19 has carried out repair works in 33/11 to 110kv class Transformers of rating upto 50 MVA at TRB. He has got Sound Knowledge in coil winding, Assembling, Tanking and IR value improvement works. He has also got the knowledge in attending to defects and servicing of on load tap changer. More over he is capable of executing panel wiring.

He has carried out repair works in the following transformers at TRB. Since they are under guarantee period and the respective companies have given the job under contract to us.

	Failed	Allotted to	Date of Despatch	Remarks
1.	16MVA Imp 110/33-1kv Sl.No.PT2761	Ambattur Sidco 7/2001	Ajpet 01/2002	11.03.2003 New LV Coil change U-Phase
2.	16MVA Imp 110/22-11kv PT2773	Kitchipalayam 12/10/01	Kitchipalayam	25.02.2003 8 disk change LV Coil W-Phase
3.	16MVA Emco 110/33-11kv Sl.No.11944	Ramayanaahalli 27.03.01	Kancheepuram	08.2001 HV Coil change V-Leg
4.	16MVA, Imp 110/33-11kv PT 2771	Elampillai	Angunagar (Dindigal EDC)	5/2002 Core change Core bolt change
5.	16MVA, APEX 110/33-11kv Sl.No.115 B/04	12.06.2003	Now available at TRB	Repair work carried out and HV Coil of W Phase new winding given to replace defective coil
6.	50MVA, APEX 110-33kv Sl.No.T1071/02	23.06.03	Now available at TRB	Repair work carried out and core bolts changed with new one.

I wish him all success in his future.

Mr. ER.K.ATHMARAM, B.E.,  
Executive Engineer,  
TRB, AMBATTUR, I.E.,  
TNEB, CHENNAI - 58.





# Credentials

## ASIA POWER ELECTRICAL EXPERIENCE & PREVIOUS WORK ORDER LISTS

Sl. No	Name and address of the organization	Details of materials/ works contracts no. Capacity	In case of purchase orders		Date of commissioning of the transformer and place.
			P o. No & Date	Qty Ordered	
1	NEPC (India) Ltd., Chennai	16MVA NGEF 110/22-11kV 2800039024	NEPC-IL/SKC/TEM/M/1245/8.6.2005	One	2005
2	Supreme Renewable energy, Pennadam	25 MVA 110/11kV Voltamp Make	19/Wor/5/17 12.12.2005	One	17.1.2006
3	Suzlon Energy Ltd., Pune	25 MVA 110/22kV Kirloskar	WO 450007128 5/17.12.2007	One	23.4.2008
4	TNEB, Vadakkan-kulam	25MVA T&R 110/33-11kV	VERBAL	One	16 Dec 2006.
5	TNEB, KANNA-NALLUR	16MVA T&R 110/33-11kV S.No.01263	VERBAL	One	April 2007
6	TCP Ltd., Gummidi-pon-di	12MVA/ 110/6.3kV	TCP/PP/SPR S/ 3262/ 28.12.07	One	01.02.2008
7	GMR, Sriakulam, AP	20MVA 132/11kV Voltamp	Wo/04-05/1709/ 23.09.04	One	Oct. 2004
8	Tarapur Transformers Pvt. Ltd Mumbai	100 MVA 230/110kV Auto Trfr. Kayathar	TTPL/NMS/ 2004-2005/472 DT:7.2.05	One	-TTPS-TUTICORIN
9	KPTCL, Devanahalli substation	20 MVA 66/11 KV	TARIL/TRS/ MP/2009	One	
10	Suryadev Alloys & Steels Ltd, Chennai	20 MVA 110/33 KV	TARIL/TRS/ MP/2009	One	
11	TNEB Madurai	16 MVA 110/33-11 KV.	P.O.No.110 1/D/248/03 dt. 12.08.03	One	
12	TNEB,TRB, AMBATTUR, H. N. 61	16 MVA IMP 110/33-11kV		One	April 2003



## Credentials

### ASIA POWER ELECTRICAL EXPERIENCE & PREVIOUS WORK ORDER LISTS

13	TNEB,TRB, AMBATTUR, CHENNAI 58	16 MVA IMP 110/22-11kV S.No.PT2773		One	March/April 2003
14	TNEB,TRB, AMBATTUR, CHENNAI 58	16 MVA EMCO 110/33-11kV S.No.11944		One	August 2007
15	TNEB,TRB, AMBATTUR, CHENNAI 58	16 MVA IMP 110/22-11kV S.No.PT2771		One	May 2002
16	TNEB,TRB, AMBATTUR, CHENNAI 58	16MVA APEX 110/33-11kV S. No. 115B/04		One	2003
17	TNEB,TRB, AMBATTUR, CHENNAI 58	50MVA APEX 110/33kV S.No.T1071/ 02		One	2003
18	Sterlite Industries, Tuticorin	15/17 MVA 7.25/6.6 KV	TRAIL/W.O. 210121/TN EB/Mp/08	one	
19	TNEB, Vadankulam	25 MVA 110/33-11 KV	SRN/NEG 25 MVA/ 2006	One	
20	Tarapur Trans- formers Pvt. Ltd Mumbai	100 MVA 230/110kV Auto Trfr. Kayathar	TTPL/NMS/ 2004- 2005/472 DT:7.2.05	One	-TTPS- TUTICORIN
21	TNEB Transformer repair bay ambattur	33/11 KV	Cont – 194/D112 Dt05.08.06	One	
22	TNEB Ambattur	16 MVA – TELK 110/33-11 KV	Cont – 1706/D198 Dt 10.08.07	One	71,14,880
23	TNEB Ambattur	16 MVA BHEL 110/22-11 KV	Cont – 1706/D198 Dt 10.08.07	One	
24	TNEB Ambattur	50 MVA HHE 110/33 KV	Cont – 1706/D198 Dt 10.08.07	One	
25	IGCAR, Kalpakkam	1.5/2.0 MVA 11 KV	IGC/ESG/ES D/EMS/WO- 665/2008	Four	
26	TNEB	50 MVA 110/33 KV	Po.TR.1245 /D.308/04 Dt 08.10.04	One	
27	TNEB, Madurai	100 MVA BHEL	Cont.164/2 005 Dt 15.12.2005	One	Madurai





## Credentials

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28	Sandur power company ltd, Hosanagadi village, Karnataka	10 MVA	SPEL/APE/S ANDUR10MVA/2008-09	One	Karnataka
29	Chemfab alkalis limited	BHEL Rectifier transformer sl.No-5315	WORL08/00 281 DT 12/01/2009	One	Puducherry
31	NEPC	16/10 MVA 110/22-11 KV	NEPC-IL/SKC/TEM /M1245	One	
32	GMR Srikakulam A.P India	20 MVA 11/132 KV	GIL/COGEN /APE/WO/2 004-05/1709	One	AP
33	Suzlon Energy Ltd	25 MVA 110/22 KV		One	
34	TCPL Chennai	12 MVA 110/6.3 KV Italian Make	TCP/PP/GE NL/1975	One	
35	Southern Railway, MRS Perambur	16 MVA, 33/11 KV	W.O.E/E.29 /1/2008/ Work Order/OW/ 01	Two	
36	LANCO Industries Srikalahasti(AP)	5.5 MVA	WO.No 460000290 9/09-10	One	Kalahastri(AP)
37	Surya Dev, Gumudipoondi	20 MVA 110/33KV		One	Gummudipoondi chennai
38	Power Tech Chennai	3.250 MVA Furnace Transformer		One	
39	Auomira energy	12.5MVA Transformer	Wo-B001-108	One	Kallupatti Rajapalam
40	Savorit Pvt Ltd	1 MVA Transformer	SI/PO/10-11	one	Tolgate Chennai
41	Triveni Alloys Pvt Ltd	4.2 MVA		one	Gummudipoondi chennai
42	Agni Steels Pvt Ltd	3.1 MVA Transformer	ASPL/2010 21.10.2010	one	Erode Tamilnadu
43	Stride Steels Pvt Ltd	4.2 MVA 33kv/850 V		one	Gummudipoondi chennai
44	Vijaya Plus Energy Pvt Ltd	2.5 MVA 33kv/433V		one	Ambattur Chennai
45	Nelcast Ltd Gudur	2.5 MVA		one	Gudur Andhra Pradesh



## Credentials

### ASIA POWER ELECTRICAL EXPERIENCE & PREVIOUS WORK ORDER LISTS

46	Triveni Alloys	1.5 MVA, 11kV/3.3kV		One	Gummidipoondi chennai
47	Kamachi Sponge Pvt Ltd	1.25 MVA 11kV/433V		one	Gummidipoondi chennai
48	Saravana Steels	3.75 MVA, 11kV/850V		one	Bangalore Chennai
49	Varadha Steels	2.3 MVA		one	Pondy
50	India Cement	2 MVA 11kV /433 V		one	Tirunelveli
51	Goyal Ispat	1.5 MVA, 11kV/433V		one	Madurantakam Kanchipuram.
52	ARS Metal	2.5 MVA, 11kV/433V		one	Gummidipoondi Chennai
53	RKKR Steels	3.5 MVA, 11kV/3.3kV		one	Thiruvottiyur Chennai
54	APGENCO	33.33MVA 230/132kV		One	Nagarjuna sagar
55	AP STEELS,	1725 KVA 11kV/575v		One	Kanjikode, Kerala
56	Nelcast Ltd	5 MVA 33/11kV		One	Gudur, AP
57	RRB VESTAS	25 MVA, 132/33kV		one	Chennai
58	JBA Steel	315KVA, 22/0.433 kV		One	Pondy
59	Amman TRY	2 x 2.5 MVA, 33kV/1150V		One	Gummidipoondi
60	Minimelt Eng	1 ,MVA & 2 MVA , 33kV/433V		One	Srilanka
61	Madras Cement	PT , 110/11kV		Three	Pennadam
62	Vinora Imndustries	1.5 MVA		One	Manali New Town
63	Terra Energy	ESP Trfr		One	Kumbakonam



## Contact Persons :

**D. Ramesh**

**Vice President**

Mob: +91-7550106429

Email: ramesh.d@voltechgroup.com

**G. Maragathamani**

**Asst. Manager - Production**

Mob: +91-8754576982

Email: maragathamani.vmc@gmail.com





# ASIA POWER ELECTRICAL PRIVATE LIMITED

Voltech Eco Tower,  
No. 2/429, Mount Poonamallee Rd, Ayyappanthangal, Chennai - 600056  
Mob: +91 7550106429 Email: [asiapower2003@gmail.com](mailto:asiapower2003@gmail.com)