



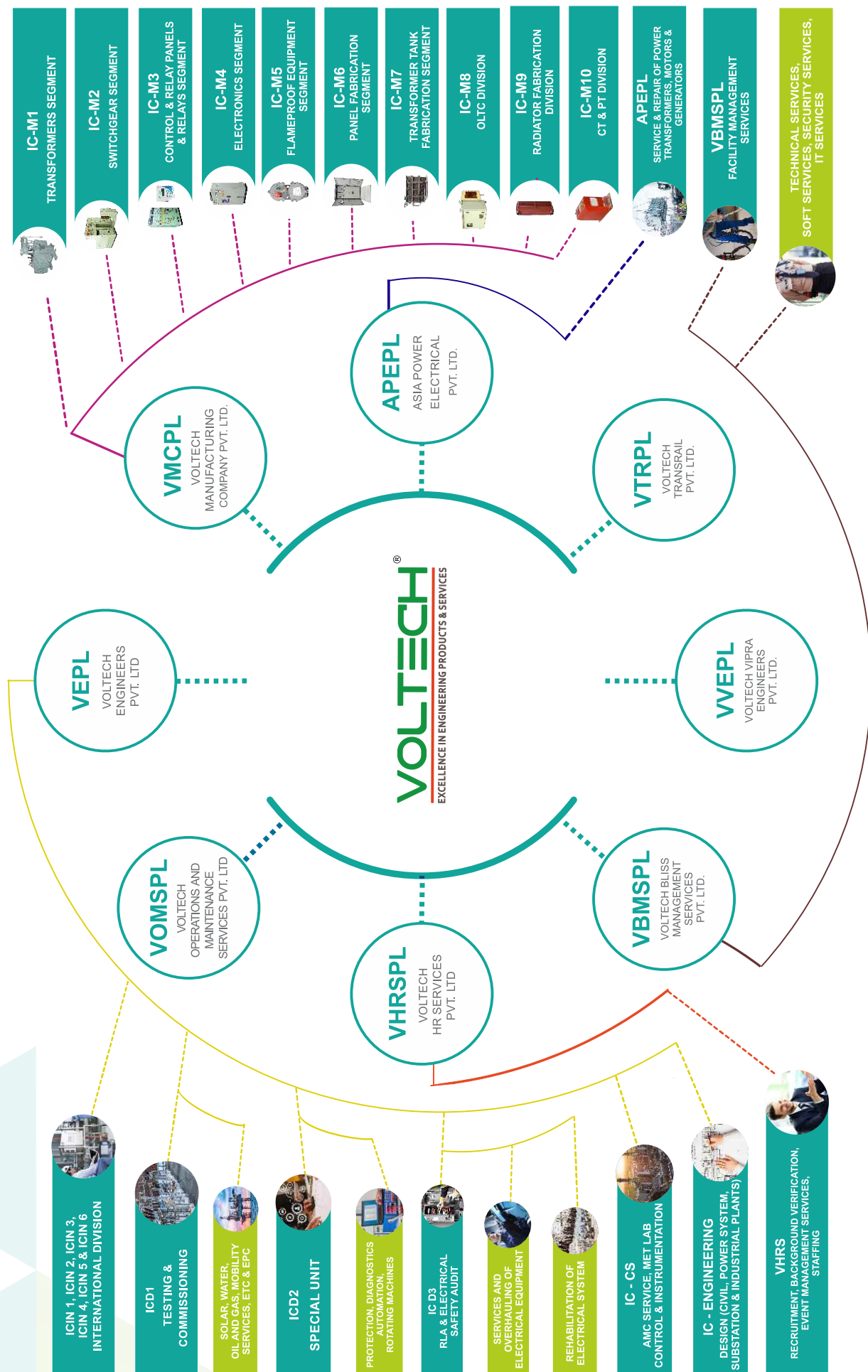
Asia Power

Company Profile

Transforming the Future
of Power Technology



VOLTECH GROUP OF COMPANIES



M. Umapathi

Chairman & Managing Director
Voltech Group

MD'S MESSAGE

Dear Esteemed Customers,

Greetings from VOLTECH GROUP!!!

Asia Power Electrical Pvt. Ltd., is a sister concern of the Voltech Group, established as a Private limited company in 2022. The company specializes in the field of Repairing, Overhauling and Reconditioning of Power and Distribution Transformers with over 23 years of Experience, with expertise spanning over two decades, Handling ratings up to 100MVA & 220KV voltage class.

Originally founded as Asia Power Electrical in 2003, The company began operations under the same name focusing on Transformer Repair. In 2014, It transitioned to Asia Power Electrical LLP. Finally, in 2022, the Company was incorporated as Asia Power Electrical Pvt Ltd.

In 2024, We Expanded our Services to include the Repair and Servicing of Motors and Generators, with a range capacity up to 50MW.

The Transformer, Motor and Generator Service Company is a leading service provider of Maintenance, Condition Assessment, Repair, and Refurbishment solutions for Transformers, Motors, and Generators.

With more than Two Decades of Industry Experience, Asia Power Electrical Pvt Ltd is committed to Ensuring the Reliability, Efficiency, and Longevity of Electrical Equipment for Industrial, Commercial, and Utility sectors. Our organisation has been created by the building blocks of Hard Work, persistence and an obsession for Quality.

We have offices in the Middle East South East Asia, Africa, SAARC Region, AMERICAS and Europe.

This company brochure is specifically designed to provide you with the latest information about our organization in terms of our experience, capabilities and technicalities in a comprehensive way.

Our offices work around the clock to attend your calls and queries about any service that we endeavour to offer.

Please pursue through this brochure as a ready reference and contact us at your own pleasure.

With Regards,



M. Umapathi B.E., F.I.E.,

CMD - Voltech Group of Companies

Our Vision and Mission



Vision

To be recognized globally as a highly Effective, Efficient and Expert to provide Quality & Engineering Services for Repairing, Overhauling and Reconditioning of Transformers, Motors and Generators



Mission

Customer Satisfaction through Professional Service and Timely Delivery with Zero Failures



Strategy

Continuous Establishment of Service Opportunities and Exploring with high standards and best practices.

Company Overview

The Transformer, Motor and Generator Service Company is a leading service provider of Repair, Refurbishment, Overhauling, Servicing, Maintenance, Condition Assessment, of Transformers, Motors, and Generators. With more than Two Decades of Industry Experience, Asia Power Electrical Pvt Ltd is committed to Ensuring the Reliability, Efficiency, and Longevity of Electrical Equipment for Industrial, Commercial, and Utility sectors.





Our Core Values



Integrity

We uphold the highest standards of integrity in all our actions.



Innovation

We embrace innovation, continuously improving our services and processes.



Customer Commitment

We develop strong relationships that makes a positive difference in our customers' survives.



Quality

We use outstanding products and unsurpassed service that deliver premium value to our customers.



Safety

We maintain rigorous safety standards for our employees and clients.



Teamwork

We work together across boundaries to meet the needs of our customers and help our company win.

Why Choose Asia Power?



Expertise

With over two decades in the industry, our technicians are highly trained and experienced.



Quality Assurance

Our comprehensive quality control process guarantees the highest standards of repair & reconditioning.



Customer Focus

We provide tailored solutions to meet the specific needs of each client.



Competitive Pricing

Our services are priced competitively, providing excellent value for money.

Services Offered

Transformer Service

Transformer Repair

- Diagnostics and Fault Analysis
- On-site and in-shop (Off site) Repairs
- Core and Coil repairs and Replacements
- Insulation System Repairs and Replacements
- ON Load and Off Load Tap Changer (OLTC & OCTC) Repair and Maintenance

Reconditioning

- Complete Disassembly and Cleaning
- Component Inspection, Assessment and Testing
- Re-insulation and Reassembly
- Performance Testing and Quality Assurance
- Oil processing and replacement

Maintenance Services

- Preventive Maintenance Programs
- Condition Monitoring and Assessment
- Routine Inspection and Testing
- Oil Sampling and Analysis

Field Services

- On-site Troubleshooting and Repairs
- Emergency Response and Disaster Recovery
- Installation and Commissioning Support



Upgrades and Retrofits

- Modernization of Existing Transformers
- Efficiency Enhancement Solutions
- Custom Retrofitting Services

Testing & Commissioning

Routine Tests

- Insulation Resistance Test
- Transformer Turns Ratio (TTR) Test
- Winding Resistance Test
- Leakage Reactance Test
- Polarity and Phase Relation Test
- Magnetic Balance Test
- Magnetizing Current Test
- Vector Group Confirmation Test

Type Tests

- Temperature Rise Test
- Impulse Test
- Short Circuit Withstand Test
- Dielectric Tests

Condition Assessment Tests

- Partial Discharge Test
- Sweep Frequency Response Analysis (SFRA)
- DIRANA(FDS)
- Acoustic Emission Test
- Tan Delta and Capacitance Test
- Oil Analysis



Motor Services

We do Repairing, Overhauling and Routine Maintenance Services for all types of AC and DC Motors.

Motor Repair and Maintenance

- Inspection and Diagnostics
- Disassembly and Re-Assembly
- Cleaning
- Repair and Replacement of Faulty Parts
- Rewinding and Insulation replacements
- Dynamic Balancing
- Bearing Inspection and Replacement
- Rotor Trueness checking
- Installation and Alignment
- Testing and Commissioning of Motors
- Predictive Maintenance Programs
- On-Site Troubleshooting and Repair

Motor Reconditioning

- Complete Disassembly and Inspection
- Cleaning and Refurbishment of Parts
- Rewinding of Coils
- Upgrading Outdated Systems
- Redesign and Efficiency Optimization
- Refurbishment of Bearings
- Balancing and Alignment



Asia Power offers
Reliable Motors
Services with
Innovative
Solutions.

Condition Assessment Testing

Stator

- Stator IR & PI Measurement
- Winding Resistance Measurement
- Stator DC High Voltage Withstand Test (DC Leakage Current / Step Voltage Test)
- Surge Comparison Test
- Natural Frequency Test on End Winding(NFT)
- Stator Slot Wedge System Check / Wedge Knocking Test
- Off Line Partial Discharge Test
- Boroscopic Test / Endoscopy of non-accessible area of Stator and Rotor
- Motor Current Signature Analysis(MCSA)

Online Test

- Vibration Analysis
- Acoustic Emission Analysis
- Infrared Thermography Analysis
- PD Couplers / Sensors Installation
- PD Measurement in Online from existing PD Couplers
- Flux Monitoring / Flux Sensors Installation

Rotor

- IR & PI Measurement
- Digital Recurrent Oscilloscope (DSRO)
- AC Impedance Measurement
- Pole Drop Test

Generator Service

We do Repairing, Overhauling and Routine Maintenance Services for various Types of Generators includes Hydro Generators, Turbo Generators, Wind Turbine Generators and Diesel Generators.

Generator Repair

- Generator Dismantling and Reassembly
- Stator core inspection restack and supply of core and coil
- End Bell and Wedge Inspection
- Replacement of Bearings
- Rewinding of Stator
- Supply of Winding Kits
- Rotor Rewinding, Re-Insulation and Replacement
- Condition Monitoring
- Diagnostics and Troubleshooting
- Electrical and Mechanical Repairs
- Replacement of faulty Components

Generator Service

Generator Reconditioning

- Complete Disassembly and Inspection
- Cleaning and Refurbishment of Parts
- Rewinding of Coils
- Upgrading Outdated Systems
- Redesign and Efficiency Optimization
- Refurbishment of White Metal/Babbitt Bearings
- Speed Balancing

Maintenance Services

- Site Maintenance, Inspection and Overhauling
- Inspection of Structural Components by using Non-Destructive Testing (NDT)
- AMC / PM (a to d check) of all type of Generators
- Testing and Commissioning
- Breakdown Maintenance
- Performance Assessment
- Load Test

Special Condition Assessment Testing

Stator

- Generator Stator IR & PI Measurement
- Winding Resistance Measurement
- Computerized ELCID Test
- Generator Stator DC High Voltage Withstand Test (DC Leakage Current / Step Voltage Test)
- Surge Comparison Test
- Natural Frequency Test on End Winding(NFT)
- Stator Slot Wedge System Check / Wedge Knocking Test
- Off Line Partial Discharge Test
- Boroscopic Test / Endoscopy of non-accessible area of Stator and Rotor



Rotor

- IR & PI Measurement
- Digital Surge Recurrent Oscilloscope (DSRO)
- AC Impedance Measurement
- Pole Drop Test
- MPI and Microstructure Test

Parts and Accessories

- Genuine OEM Parts
- After market Parts
- Accessories and Upgrades

Online Test

- Vibration Analysis
- Acoustic Emission Analysis
- Infrared Thermography Analysis
- PD Measurement in Online from existing PD Couplers
- PD Couplers / Sensors Installation
- Flux Monitoring / Flux Sensors Installation

Our Certifications



ISO 9001:2015

ISO 45001:2018

ISO 14001:2015

Performance Certificate

Asst. Executive Engineer,
Transformers Repair Bay
T.N.E.B, Ambattur,
Chennai-600 058.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s. ASIAPOWER ELECTRICAL LLP, Thiruvottiyur, Chennai-19 is one of the renowned Service Provider and it has carried out of "N" nos. of repair works in 33/11KV and 110 KV/33-22-11 KV class Transformers of rating up to 50 MVA.

They have rich and sound Knowledge in Power Transformers coil winding, Assembling, Tanking and IR value improvement works and servicing of On Load Tap Changer (OLTC) and Off Circuit Tap Changer (OCTC). In addition, they are capable of executing panel wiring and Troubleshooting of Transformers.

They have carried out the following Various Power Transformer Repair Works and the performance of these Power Transformers are found to be satisfactory till date.

S.NO	Failed at SS	MVA	MAKE	Date of Allotment	Date of Despatch	Delivered at SS
1.	Perungudi	50MVA-110/33 KV	VOLTAMP	21.10.2013	10.11.2014	Avadi SS
2.	Moosivakkam	10MVA/110/33-11KV	APEX	15.11.2014	30.09.2015	Thulukkappatty SS
3.	Gummidipoondi	25MVA 110/33-22KV	INDOTECH	28.08.2014	06.07.2015	Eppodum Vendran SS
4.	Kottivakkam	16M/33-11 KV	P.S ELECTRICALS	09.09.2014	01.10.2015	Perungudi SS
5.	Eppodum Vendran	16MVA 110/33-11 KV	EMCO	28.08.2014	20.12.2015	Kattumannarkoil SS
6.	Anna Salai	16MVA/33-11 KV	ECE	30.05.2015	06.02.2016	West Mambalam SS
7.	Sardarjung Garden	16MVA/33-11 KV	VEI	30.05.2016	01.03.2016	Avadi SS
8.	Avadi	16MVA/33-11 KV				

We wish them all success in their endeavours.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s. Asia Power Electrical Private Limited, having its registered office at No.213/3, Pillaiappakkam Village, Sriperumbudur Taluk, Kancheepuram Dt., Tamilnadu - 602 105, has successfully completed the following work as per the Chennai Rate Contract under: Lr. No.: CE/TP-1/EE/AEE/E/EE/TP-15/22-23/RC-LOA 46/22-23/D.1389/22 Dt.11.08.2022

Scope of Work: Repairing and Reconditioning of 110KV Class Power Transformer

The work was executed in compliance with the contract terms and technical specifications. The performance and quality of work carried out by M/s. Asia Power Electrical Private Limited have been found satisfactory.

This certificate is issued upon the successful completion of the contract, valid for a period of two years as per the agreement.

S. No	Rating of Transformer	Work order No and date	Order Value	Completion Value	Allotted from	Allotted to	Commencement date	Schedule date completion	Actual date completion	Commissioning on	Remark
01	16MVA, 110/22-11KV	Lr.No.CE/TP-1/EE/AEE/E/EE/TP-15/22-23/RC-LOA 46/22-23/D.1389/22 dt. 16.08.2022	5,085,204.00	5,010,128.38	Anjur	Godmangalam	11.10.2022	11.01.2023	23.01.2023	23.03.2023	Satisfactory
02	16MVA, 110/33-11KV	Lr.No.CE/TP-1/EE/AEE/E/EE/TP-15/22-23/RC-LOA 46/22-23/D.1389/22 dt. 29.08.2022	2,694,892.00	2,442,558.89	Padi	Thoppukottai	01.11.2022	01.02.2023	21.02.2023	23.06.2023	Satisfactory
03	25MVA, 110/33-22KV	Lr.No.CE/TP-1/EE/AEE/E/EE/TP-15/22-23/RC-LOA 46/22-23/D.1389/22 dt. 29.08.2022	4,031,012.00	4,010,622.00	Vadakkupattu	Edayaripalayam	20.11.2023	20.02.2024	23.01.2024	14.03.2024	Satisfactory
04	16MVA, 110/33-11KV	Lr.No.CE/TP-1/EE/AEE/E/EE/TP-15/22-23/RC-LOA 46/22-23/D.1389/22 dt. 27.10.2023	2,481,960.00	2,212,384.50	Madhuranthangam	Vellore	29.01.2024	29.04.2024	16.02.2024	13.06.2024	Satisfactory
05	25MVA, 110/33-22KV	Lr.No.CE/TP-1/EE/AEE/E/EE/TP-15/22-23/RC-LOA 46/22-23/D.1389/22 dt. 17.03.2024	4,621,390.00	4,431,120.00	Sankari	Pennagaram	07.05.2024	07.08.2024	11.06.2024	08.07.2024	Satisfactory
06	25MVA, 110/33-22KV	Lr.No.CE/TP-1/EE/AEE/E/EE/TP-15/22-23/RC-LOA 46/22-23/D.1389/22 dt. 04.04.2024	3,843,409.00	3,508,045.00	Chinnmaya nagar	Chinnmaya nagar	06.06.2024	06.09.2024	09.08.2024	23.09.2024	Satisfactory
Total			22,757,867.00	21,614,858.77							

For and on behalf of TANTRANSO.

[Signature]
ASST. EXECUTIVE ENGINEER
TRANSFORMER REPAIR BAY
TANTRANSO
AMBATTUR / CHN-58.

Perform

Details of work executed by

WORKING COPY (POWER)

No.2/425, Mount Poonamallee Road,
Ayyappanthangal, Chennai - 600 056.

Sl. No.	Description	Remarks
1	Name of work with brief particulars:	Repairing and Reconditioning of 1 No.100 MVA 230/110 KV Auto transformer failed at Kayathar 230KV SS
2	Contract Agreement / WO. No and Date	1. Lr.No.CE/TP-1/EE/AEE/E/EE/TP-01/19-20/LOA No.18/D.1195/19Dt.29.07.2019. 2. Lr.No.CE/TP-1/EE/AEE/E/EE/TP-15/22-23/RC-LOA 46/22-23/D.1389/22 dt.05.01.2021.
3	Details of compensation levied of delay, if any	Nil
4	Contract / WO. Amount including GST 18%	Rs. 99,01,546.00
5	Gross Amount of the work completed with GST 18%	Rs. 99,01,546.00
6	Scope of Work	Repairing and Reconditioning of 100 MVA 230/110 KV Auto Transformers • General Check-up of Transformer/OLTC/RTCC • Oil filtration, Oil and Transformer testing • IR Test for Transformer and certification. • Functional test of winding temperature indicator. • Functional test of Oil temperature indicator. • Functional test of magnetic oil level gauge. • Functional test of Buchholz relay. • Functional test of Pressure relief valve. • Protection System / Circuit check. • Visual inspection of all components, mechanisms & insulator if any damages. • Cleaning of HV & LV Insulators. • Tightening of nut bolts of all bus bars, cables, mechanical components.
7	Name and address of the authority under whom the work is executed	Tamilnadu Transmission Corporation Limited Sipcot 230/110 KV SS, Tuticorin Meelavittan-628002, Tamil Nadu, India
8	Whether the contractor employed qualified engineer during execution of work	Yes
9	Performance rating of the executed work	Good

For & On Behalf of

[Signature]
ASST. EXECUTIVE ENGINEER
TRANSFORMER REPAIR BAY
TANTRANSO / T.N.E.B
TIRUVELVELI - 627 011.

Asst. Executive Engineer,
Transformers Repair Bay
T.N.E.B, Ambattur,
Chennai-600 058.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s. ASIAPOWER ELECTRICAL LLP, 213/3, Pillaiappakkam Village, Sriperumbudur Taluk, Kancheepuram District-602105 is one of the renowned Service Provider and it has carried out of "N" nos. of repair works in 33/11KV and 110 KV/33-22-11 KV class Transformers of rating up to 50 MVA.

They have rich and sound Knowledge in Power Transformers coil winding, Assembling, Tanking and IR value improvement works and servicing of On Load Tap Changer (OLTC) and Off Circuit Tap Changer (OCTC). In addition, they are capable of executing panel wiring and Troubleshooting of Transformers.

They have carried out the following Various Power Transformer Repair Works and the performance of these Power Transformers are found to be satisfactory till date.

S.NO	Failed at SS	MVA	MAKE	Date of Allotment	Date of Despatch	Delivered at SS
1.	Thumlagudy	25MVA 110/33KV	Indo-Tech	21.01.2020	05.03.2020	Sriperambathur SCOT
2.	Pudukotai	16MVA 110/33KV	VEI	9.09.2019	30.09.2020	Karambakudi
3.	Audichettipalayam	16MVA 110/33KV	VEI	9.09.2019	09.06.2020	Vaiyampatty
4.	Muthalapuram	16MVA 110/33KV	VEI	9.09.2019	06.07.2020	Venapandi
5.	Thiruvallur	16MVA 110/33KV	VEI	18.09.2020	23.10.2020	Nagercoil
6.	Marudur	16MVA 110/33KV	CGI	9.09.2019	16.12.2020	Vaiyampatty
7.	Veerasagamani	25MVA	Indo-Tech	9.09.2019	03.04.2021	Thannampet

2.04.2021	Uthikottai
1.05.2021	Sriperumbudur
8.02.2022	Padi
3.12.2021	Papampatty
9.01.2021	Santhapettai

Date: 21/08/2023

Report

al Private Ltd

No.2/425, Mount Poonamallee Road,
Ayyappanthangal, Chennai - 600 056.

Sl. No.	Description	Remarks
1	Name of work with brief particulars:	Testing, Preventive Maintenance / Healthiness checking of Various Rating Dry & Oil Filled Transformers
2	Contract Agreement / WO. No and Date	SBU - M & M (METALS & MINERALS)/NMDC NAGARNAR/700034/18719
3	Job Schedule	25 th July 2023 to 19 th August 2023
4	PO Validity	The entire scope of Works/ Services shall be completed at site within 30 days from this Work order
5	Actual date of completion	19/8/2023
6	Details of compensation levied of delay, if any -	Nil
7	Contract / WO. Amount including GST 18%	20,95,661.12
8	Gross Amount of the work completed with GST 18%	20,95,661.12
9	Scope of work	The brief scope of Works/Services shall comprise of Deployments of service engineer's team for supervision of 24 No's of 2MVA Dry Type Transformers and 4 No's of 4MVA Oil Filled Transformers.
10	Name and address of the authority under whom the work is executed	TATA Projects Limited, Nagarnar, CG, Chhattisgarh, India
11	Whether the contractor employed qualified engineer during execution of work	Yes
12	Performance rating of the executed work	Good

For & On Behalf of

[Signature]
TATA PROJECTS LIMITED
MITHONA TOWERS - 1st 7-80 To 87, Opp: Wesley College - Ed. Jr. College
Prenderghast Road, SECUNDERABAD - 5000 003.

Our Major PO

No. **619** /ED/SE-O&M/PR/EE-R(S)/JE/e-Tender No.01 (23-24)/2024-2025
GOVERNMENT OF PUDUCHERRY
ELECTRICITY DEPARTMENT

W.O.No. **2** /ED/ SE-O&M/PR/2024-25 Dt: **11/06/2024**

WORK ORDER

To
M/s. Asia Power Electrical Private Ltd.,
No. 213/3, Pillaiakkam Village,
Sriperumbudur Taluk,
Kancheepuram District,
Tamilnadu - 602105.

Sir,

Sub: Electricity Department- Bahour Sub-Division, Puducherry- "Repairing/ Servicing of 16MVA Power Transformer - I at 110/22KV Bahour Substation, Electricity Department, Puducherry" - Regular Work Order - Issued.

Ref: 1. E-Tender No 01/ED/EE-R(S)/2023-24 dt: 12.02.2024.
2. Tender I.D 2024-EDOM-15313-2
3. Your e-Bid I.D No.48418 dt: 20.02.2024.
4. Provisional W.O.No.466/ED/SE-O&M-PR/EE-R(S)/JE/e-Tender No.(23-24) 2024-25 dt:21.05.24
5. Your Submission of Performance Bank Guarantee APE/Bahour/- BG/24-25/dt:29.05.2021
6. Your Acceptance Letter No.APE/Bahour-BQ/24-25/dt:04.06.2024.

Your offer for "Repairing/Servicing of 16 MVA Power Transformer - I at 110/22KV Bahour Sub-station, Electricity Department, Puducherry" at your tendered amount of **Rs.41,98,971/- (Rupees Forty One Lakhs Hundred and Seventy One Only)** has been accepted by the Government of India as per Annexure I & II enclosed herewith.

- The Assistant Engineer Bahour Sub-station above said works.
- The rate is inclusive of freight, excise duty, F.O.R destination, repair, erection, testing Transformer as per the specification of the department.
- The contractor shall warrant that the work is as per tender specification and other materials supplied by him.
- The Security Deposit amounting to **Rs.2, 0 thousand nine hundred and fifty only** has been accepted by the Government of India as per Annexure I & II enclosed herewith. In addition a sum of 5% of the Security Deposit shall be deducted from each running bill.
- The work should be completed within 30 days of the date of the work.
- Please note that the time allowed for completion of the work shall be reckoned from the 15th day of the month of the work.
- Payment will be made on first and final bill.

GOVERNMENT OF INDIA
Ministry of Railways
Southern Railway

No. E-HQ-CN-MS-WO5-2023-24

Headquarters Office,
Construction Electrical,
Egmore,
Chennai-600 008.
Date: 24.11.2023

LETTER OF ACCEPTANCE

Sub: Repairing /re-conditioning of existing 11kV/400V 400KVA CSS -I no for the use of field work in MSB-MS 4th line work.- reg.

Ref: Your letter No. Nil dated 06.11.2023.

Your offer vide ref. above, for the said work at the total cost of Rs.9,75,044/- (Nine Lakhs seventy five thousand four hundred and forty four only) is hereby accepted. You may take up the work within 30 days to the satisfaction of SSE/ECN/MS and as per the schedule. The LOA copy enclosed herewith to be submitted to the SSE/ECN/MS.

(M.Prabhakaran)
Dy.Chief Electrical Engineer (General)
Construction, Southern Railway,
E.V.R. Periyar High Road, Egmore, Chennai -08
(For and on behalf of President of India)

Information please.
Attention please.
Information and necessary follow up action.

Accepted
For ASIA POWER ELECTRICAL PRIVATE LIMITED
Authorized Signatory

TAMIL NADU TRANSMISSION CORPORATION LIMITED

From
Er.B.Latha, B.E.,
Chief Engineer,
Transmission Projects-I,
A-10,Thiru.Vi.Ka Indri Estate,
Guindy, Chennai - 32.

To
M/s.Asia Power Electrical LLP,
Survey No.213/3, Pillaiakkam Village,
Sriperumbudur Taluk, Kancheepuram
Dist., Tamilnadu-602105.

Lr.No.CE/TP-I/EE/AEE/E/F.TP-15/22-23/RC-LOA_46/22-23/D.1389/22 dt.11.08.2022.

Sir,

Sub: TANTRANSCO-Transmission Projects-I-Specification No: TP-15/2022-23 - Repairing and Reconditioning of 110 KV class sick Power Transformers and transporting to allotted site/SS after completion of repair in respect of TP-I Region of various capacities ranging from 10 MVA to 50 MVA from various substations in TNEB/TANTRANSCO/TANGEDCO/Transformer Repair Bay (Ambattur) pertaining to area covered in respect of TP-I Region and Transporting the rectified transformers to sub-stations/site anywhere in TamilNadu, at the prices shown in Annexure-I for an approximate value of Rs.2,50,00,000/- inclusive of Goods Service taxes @18% (Rupees Two crores fifty lakhs only), subject to the terms and conditions set forth herein.

Ref: 1. Tender Specification No.TP-15/2022-23.
2. Technical & Commercial bid opened on 31.05.2022
3. Price bid opened on 20.06.2022.
4. Lr.No.CE/TP-I/EE/AEE/E/F.TP-15/22-23/D.1134/22dt.22.06.22.
5. Your letter dated.04.07.2022
6. BLTC note under circulation approved dt.03.08.22.
7. Draft LOA dt. 05.08.22.
8. Your email dt.09.08.2022. *****

1. ACCEPTANCE

I, acting for and on behalf of and by the order and direction of the TamilNadu Transmission Corporation accept to enter into an agreement with you for Repairing and Reconditioning of 110 KV class sick Power Transformers and transporting to allotted site/SS after completion of repair in respect of TP-I Region of various capacities ranging from 10 MVA to 50 MVA from various substations in TNEB/TANTRANSCO/TANGEDCO/Transformer Repair Bay (Ambattur) pertaining to area covered in respect of TP-I Region and Transporting the rectified transformers to sub-stations/site anywhere in TamilNadu, at the prices shown in Annexure-I for an approximate value of Rs.2,50,00,000/- inclusive of Goods Service taxes @18% (Rupees Two crores fifty lakhs only), subject to the terms and conditions set forth herein.

2. REPAIR CHARGES

The repair charges indicated in Annexure-I are **firm** (except HV/LV coils price) will be paid to the contractor for the items of repair attended to, by him in respect of each transformer repaired.
For HV/LV coils, the rates indicated in Annexure -I is **variable**, with a ceiling of $\pm 30\%$ on the base price of HV & LV coils with base date as on 01.04.2022 on the

TAMIL NADU GENERATION AND DISTRIBUTION CORPORATION LIMITED

From
Er.K.Thennmozhi, M.E.,
Chief Engineer/Distribution,
Vellore Region,
Gandhi Nagar, Vellore-6.

To
M/s. Asia Power Electrical Private Ltd.,
Voltech Eco Tower,
Mount Poonamallee Road,
Ayyappanthangal,
Chennai - 600 056.
email- asia@voltechgroup.com

Lr.No:CE/D/VLR/EE/Elec/AEE/MM/F.W.C.No. 00

Dear Sirs,

Sub: Vellore Region - Tender Enquiry No. 01/2023-24 dt. 04.08.2023. and reconditioning of 33 KV class capacities available at various places years to a face value of 2 crores- Works contract awarded-Reg.

Ref: 1) This office Enq. No.02/2023-24 dt. 04.08.2023.
2) Your negotiation letter dated 04.01.2023 & 13.03.2024 .

1. ACCEPTANCE:-

I, acting for and on behalf of and by the order and direction of the Tamil Nadu Generation And Distribution Corporation Ltd., accept to enter into an agreement with you for Repairing and Reconditioning of 33KV class sick power transformers of various capacities available at various places in Vellore Region and Transporting the rectified transformers to sub-stations/site anywhere in Vellore Region at the prices shown in Annexure-I, subject to the terms and conditions set forth herein.

2. REPAIR CHARGES:-

The repair charges indicated in Annexure-I are **firm** (except HV/LV coils price). Repair Charges will be paid to the contract or for the items of repair attended to, by him in respect of each transformer repaired. For HV/LV coils, the rates indicated in Annexure-I is **variable**, with a ceiling of $\pm 30\%$ on the base price of HV & LV coils with base price as on

INDIRA GANDHI CENTRE
FOR ATOMIC RESEARCH
KALPAKKAM - 603 102
TAMIL NADU.

Phone 044-27480112 (Off.)
Phone 044-27489278 (Res)
Fax 044-27480233

31 October 2008

er No:IGC/ESG/ESD/EMS/T-665/2008
Offer dt. 04.09.2008
Dated 24-10-2008

ated 31st October 2008 stating the acceptance work in intent dated 24.10.2008 for "Servicing of the power 1.5/2.0 MVA capacity 4 Nos in MDL substation at been accepted on behalf of the President of India (hereafter called "Government of India"). The Work order value presently evaluated at **Rs. 9,26,600.00 (Rupees Nine Lakhs Twenty Thousand and Six Hundred only)** as per the enclosed Scope of work and schedule.

- The work shall be executed in full accordance with the terms, conditions and scope of work stipulated in the enquiry document referred above and as stipulated below.
- Your rates are inclusive of all taxes and duties such as sales tax, surcharge, service tax and work contract tax etc.
- You are requested to start the work at once. Please note that this is an emergency work and the time allowed for the work is **SIX MONTHS ONLY** and shall be reckoned from the date of this order to commence the work.
- You are requested to contact Shri N. Djeardjane, Head EMS & HVDS for detailed instructions regarding the work.
- The receipt of this work order may please be acknowledged without delay.

Enclosed :
1. Scope of work
2. Schedule of quantity

Yours faithfully,
A. Jyothibharathi
HEAD EMS
For and behalf of the President of India

Our Major Projects

S. NO	Project Description	Location	Client	Date	PO
TRANSFORMER SERVICE - STATE UTILITIES - TAMILNADU ELECTRICITY BOARD					
1	Repairing and Reconditioning of 100MVA Transformer	Kayathar	TANTRANSCO	2021	R.C.No.18/19-20
2	Repairing and reconditioning of 110 KV class sick power transformers (10MVA,16MVA,25MVA & 50MVA)	Chennai, Trichy, Coimbatore, Madurai	TANTRANSCO	2022	RC-LOA .46/22-23 /D.1389/22, R.C.No.01/22-23, R.C.No.20/22-23, R.C.No.11/22-23
3	Repairing and reconditioning of 110 KV class sick power transformers (10MVA,16MVA,25MVA & 50MVA)	Chennai, Salem, Coimbatore, Madurai, Trichy	TANTRANSCO	2019	LOA No.18/D.1195/19, LOA No.25/D.1205/19 R.C.No.12/19-20, R.C.No.07/19-20, R.C.No.02/19-20
4	Repairing and reconditioning of 33 KV class sick power transformers (5MVA, 8MVA,16MVA)	Vellore	TNPDCL	2024	F.W.C No. 001 / D.1954/23-24
5	Repairing and reconditioning of 33 KV class sick 8MVA power transformers	Tirunelveli	TNPDCL	2025	LOA:WET-01/24-25 /D.No.33
6	Repairing and reconditioning of 33 KV class sick power transformers (5MVA, 8MVA,16MVA)	Tiruvannamalai	TNPDCL	2025	F.W.CNo.001/D.338 /25-26
ANDHRA PRADESH					
1	Repairing, Erection, Testing and Commissioning of 42.5MVA	Mothugudem, AP	APGENCO	2021	4900032449
PONDICHERRY ELECTRICITY DEPARTMENT (PED)					
1	16MVA Power Transformer Servicing	Bahour	Govt. of PED	2024	618/ED/SE-O&M /24-25
2	16MVA Power Transformer Servicing	Karaikal	Govt. of PED	2023	1/EDK/EE-KKL/JE/F-E-Tender/22-23
3	10MVA Power Transformer Servicing	Mahe	Govt. of PED	2024	No.466/ED/SE-MP & ORs/EE-SPM & Bldgs
4	10MVA Power Transformer Servicing	Yanam	Govt. of PED	2021	01/ED/EE-C&TTC/JE/F-40Y/2021-22
CENTRAL GOVERNMENT ENTERPRISES					
1	21.6MVA Transformer Servicing	Chennai	Southern Railway	2010	No.J/TRD/29/1/ 10-11/03
2	Overhauling of 16MVA Power Transformer	Neyveli	NLC India Ltd.	2020	TPS-I Expn./EM/T.No. 3595-TSIE[20-21]
3	Overhauling and Testing of 10MVA , 33KV/6.6-3.3KV main Incomer Transformer	Kalpakkam	IGCAR	2024	IGCAR/RFG/RMD/ EM/WO-12/2023
4	Rehabilitation of existing 400KVA CSS with Erection , Testing and Commissioning	Chennai	Southern Railway	2023	E-HQ-CN-MS-WO5 -2023-24

S. NO	Project Description	Location	Client	Date	PO
5	Repairing and Reconditioning of ESP Transformer	Neyveli	NLC India Ltd.	2023	T2E4592LT/2022- 23
6	Servicing of Power Transformers 11KV/433V 1.5/2MVA	Kalpakkam	IGCAR	2008	IGC/ESG/ESD/EMS /WO-665/2008
7	Replacement of OLTC and General Servicing 10/12.5MVA Power Trafo	Trichy	Bharat Heavy Electricals Ltd.	2024	8300019820
PROCESS INDUSTRIES					
1	Rewinding of 10MVA Furnace Transformer	Karnataka	Hospet Steels Ltd	2021	GPEW/PVC/PO-2021023
2	25MVA Transformer Service	Cuddalore	SNJ Distillers Pvt Ltd	2024	SNJDPL/WO/144/24-25
3	75MVA Generator Transformer Testing work	Chandrapur	Ultratech Cement Limited	2024	8388013658
4	Oil Leakage arresting and Servicing of various rating of transformer	Trichy	Dalmia Cement (Bharat) Limited	2025	4546008146/131
5	Testing of 12.5MVA Power Transformer	Attipattu	Zuari Cement Limited	2025	4104183
6	25MVA Transformer Servicing	GUDUR	NELCAST LIMITED	2022	2200099066
7	3150KVA Transformer Overhauling	Padappai	Aggreko Energy Rental India Pvt Ltd	2025	4185130
RENEWABLES					
1	Repair work of 50MVA Transformer for Wind Project	Veeranam SS	Powerica Ltd	2020	WO-O&M/026
2	Dismantling, Testing & Transportation of 250MVA Power Transformer for Solar Project	Pavagada	Sembcorp Energy India Ltd.	2024	4088025744
3	Erection of 245KV HV Bushing & Testing for Solar Project	Chitradurga	Azure Sunrise Pvt Ltd	2024	4300028925
4	5.8MVA Transformer service for Solar Project	Karaikudi	Prathama Solarconnect Energy Pvt. Ltd.	2025	530000105
MOTOR SERVICE					
1	Overhauling of HT Motor	NPCIL,KKNPP	Voltech O&M Service Pvt Ltd	2024	VOMSPL/KS/ WO-027/2024-25
GENERATOR SERVICE					
1	Overhauling of 30MW Generator #2 & RLA Testing	Haldia Petrochemicals Ltd, Haldia	Voltech Engineers Pvt Ltd	2016	4006237
2	Overhauling of 44/55MVA Generator Transformer & RLA Testing	Haldia Petrochemicals Ltd, Haldia	Voltech Engineers Pvt Ltd	2019	4006155

Equipment List

S. NO	Description	Qty	Make
1	VACCUM DRYING CHAMBER	1 No.	VPI 230 KW
2	Drying Oven	1 No.	J R FURNACE 60 KW
3	Drying Oven	1 No.	J R FURNACE 30 KW
4	35/5 Ton (EOT Crane)	1 No.	Avon Make/ SWL
5	15 Ton(EOT Crane)	1 No.	SWL
6	10 Ton (EOT Crane)	2 Nos.	CRIP ENGINEERS PVT LTD /SWL
7	7.5 Ton (EOT Crane)	1 No.	SPRINT
8	Winding Machine HV and LV	1 No.	VIKRANT, 5 Ton's/10HP
9	Winding Machine HV and LV	1 No.	VIKRANT, 5 Ton's/5HP
10	Winding Machine – Power Tr Winding Machine(HT)	1 No.	VIKRANT 3 Ton's 10 HP
11	Winding Machine – Power Tr Winding Machine(LT)	1 No.	VIKRANT 2.5 Ton's 7.5 HP
12	Winding Machine HV and LV	3 Nos.	VIKRANT, 3 Ton's/7.5HP
13	Winding Machine HV and LV 2 TON	1 No.	VIKRANT, 3 Ton's/5HP
14	LV Winding Machine	3 No.	Assembled, 3 HP /2.2 KW
15	HV Winding Machine	10 Nos.	Assembled, 2 HP /1.5 KW
16	Transformer Oil Filter Machine 12KLPH	1 No.	Hamsa
17	Transformer Oil Filter Machine 4.5KLPH	2 Nos.	Fowler westrup (P) Ltd 30 KW
18	Oil Storage Tank 20 KL	1 No.	OWN MAKE
19	Hand Hydraulic Trolley	2 Nos.	3 TON MPPI
20	Painting Compressor	2 Nos.	ELGI 10 HP
21	Welding Machine	2 Nos.	BOSCH &ESAP INVERTER
22	Grinding Machine Portable	1 No.	BOSCH
23	Band saw Machine	1 No.	MEET 3HP

Testing Equipments

S. NO	Description	Qty	Make
1	Flash Test / Short Circuit Test Transformer (HT) 300 KV	1 No.	AE 0-300KV
2	Flash Test / Short Circuit Test Transformer (HT) 150 KV	1 No.	NTPL 0-150 KV
3	Test Bench with Power Analyzer	3 No.	YAKOGAWA MAKE
4	Double Voltage & Double Frequency Generator 250KVA	1 Set	250 KVA ANAND ENGG 0-900 V
5	Double Voltage & Frequency Generator 100 KVA	1 Set	100 KVA ANAND ENGG 0-900V
6	Capacitance and Tan delta test kit	4 Nos.	Doble /Megger /Eltel
7	Sweep Frequency Response Analysis test kit	3Nos.	Doble /Megger
8	Dimmer Stat	3 Nos.	AE 0-415 V 600A-200A-100A
9	Testing Transformer	1 No.	300 KVA 33 KV
10	Oil Test Kit	4 Nos.	NEO TELETRONIX 0-100 KV
11	Current Transformer	3 Nos	KALHARE ENTERPRISES 5/5&10/5
12	Potential Transformer	1 No.	KALHARE ENTERPRISES 100/ $\sqrt{3}$
13	Surge comparision test kit	1 No.	10KV, Jabbals
14	T-slotted Motor Test bench	1 No.	OWN MAKE
15	Bearing Induction Heater	1 No.	SKF
16	Megger (Digital)	5 Nos.	KYORITSU 3125a /5KV
17	DC Winding Resistance Meter – Eltel	3 Nos.	TWRM -10 ELTEL
18	DC Winding Resistance Meter – SCOPE	4 Nos.	TRM -104
19	Automatic Turns Ratio Meter	3 Nos.	(ELTEL) ATRM 200
20	Turns Ratio Meter	2 No.	(ELTEL)TRM 200
21	Leakage Tester (Digital)	10 Nos.	KYORITSU 2434
22	Multi Meter (Digital)	10 Nos.	FLUKE
23	Temperature Measuring Gun	4 Nos.	FLUKE

Our Major Clients



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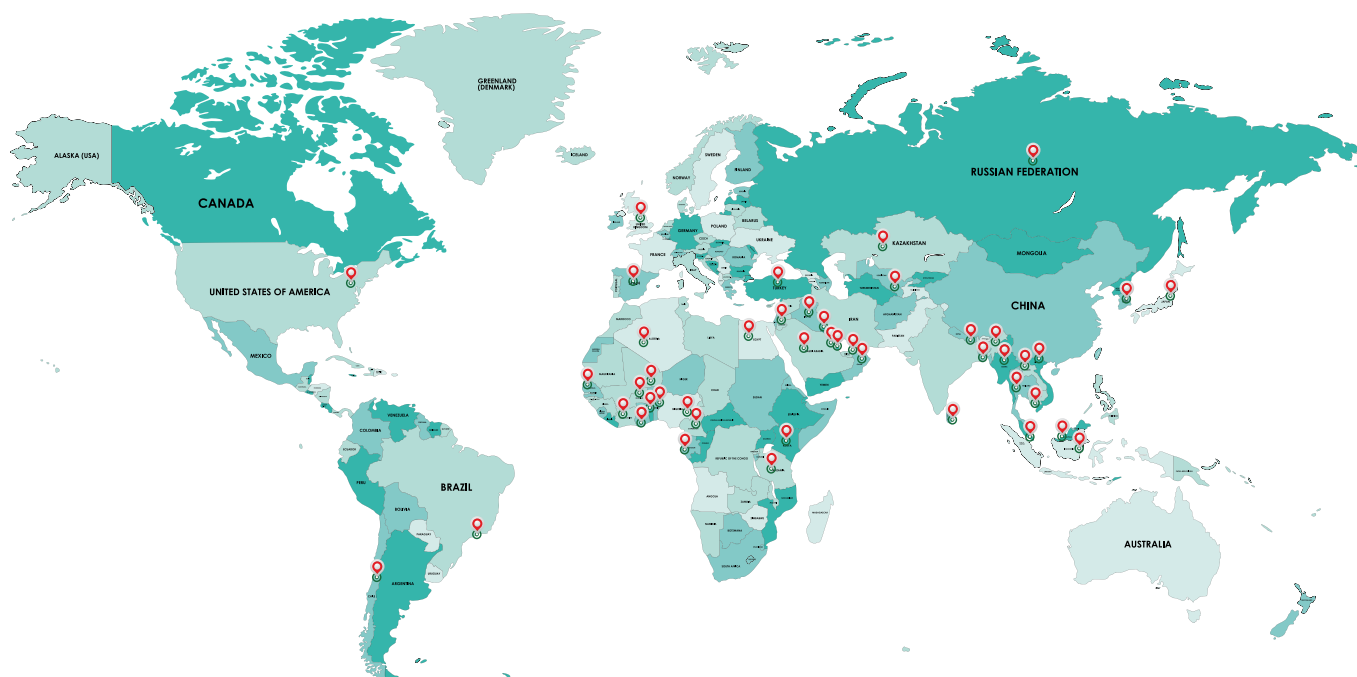
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Global Group Presence



International Locations :

ASEAN : Cambodia | Indonesia | Laos | Myanmar | Malaysia | Singapore | Thailand | Vietnam

SAARC : Bangladesh | Nepal | Sri Lanka

Middle East Countries : Bahrain | Iraq | Kuwait | Oman | Qatar | Saudi Arabia | U.A.E

Africa : Algeria | Benin | Burkina Faso | Cote d'Ivoire | Ghana | Gabon | Kenya
Mali | Nigeria | Senegal | Tanzania | Togo

Europe : France | Spain | Turkey | United Kingdom

Americas : USA, Brazil, Chile

CIS Countries : Kazakhstan | Uzbekistan

Japan | South Korea

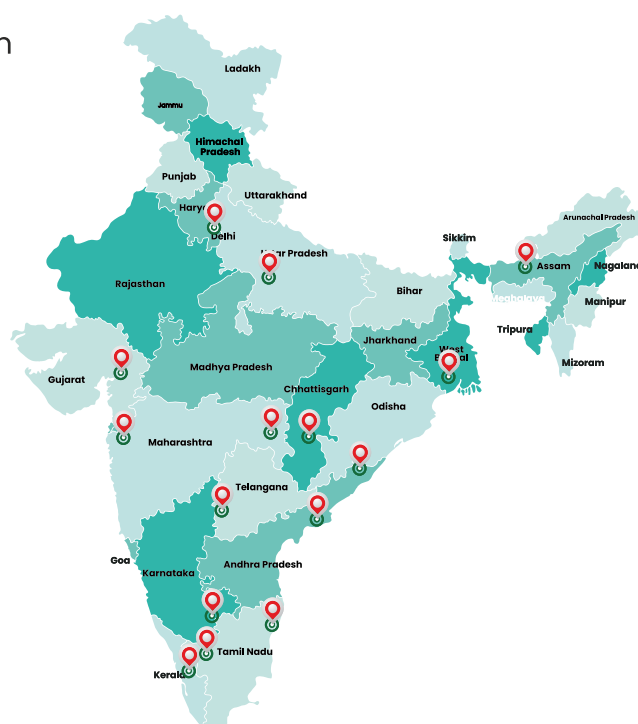
Domestic Locations :

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