

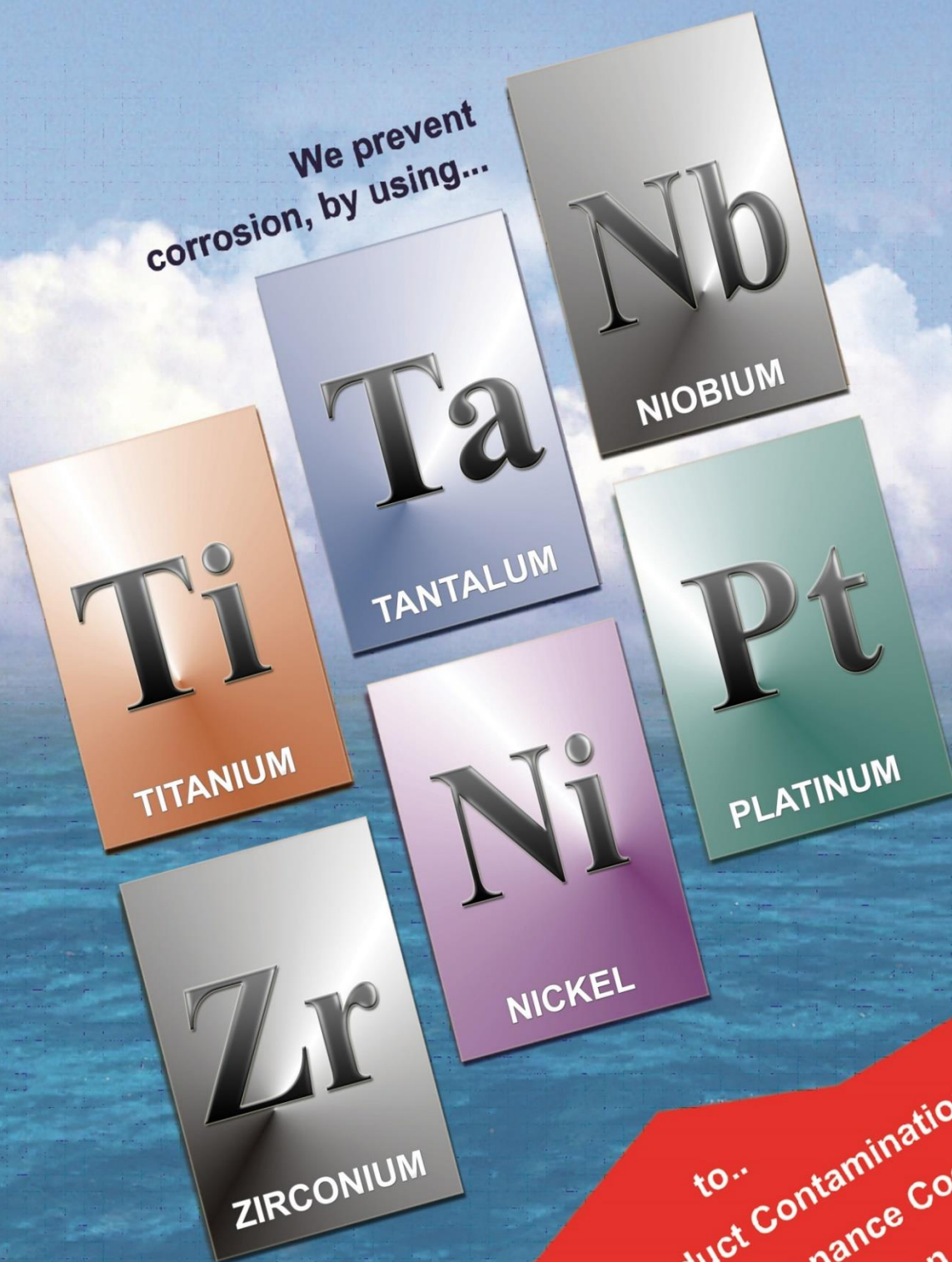
Ti Ta
Nb Zr Ss
Ni Pt

CORPORATE PROFILE

Tiaano[®]
Innovation In Inert Metals

since 1992

We prevent
corrosion, by using...

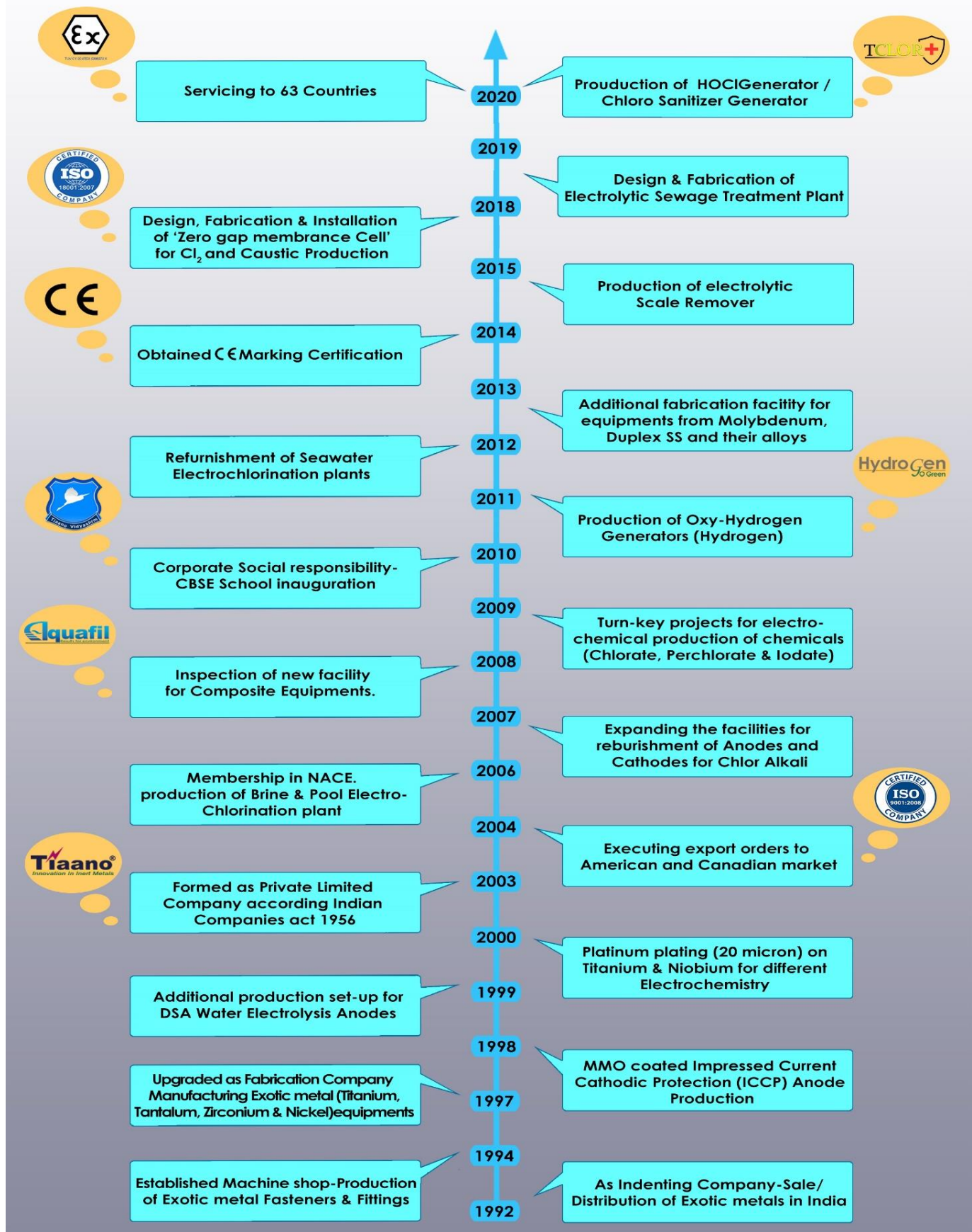


to..
Avoid Product Contamination
Reduce Maintenance Cost
Resist Corrosion
Save Power

Ti Anode Fabricators Pvt. Ltd.

#48, Noothanchary, Madambakkam, Chennai - 600 126, India.

Phone: +91 94445 69900, +91 44 2278 1148 | Fax: 2278 1362 | Email: marketing@tiaano.com | Web: www.tianode.com



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Ti Anode Fabricators Private Limited, Chennai, India has been established since 1992 with well-equipped latest in-plant facilities & qualified engineers....

➤ **to offer...**

Quality, Economy & On-time delivery of...

- Electro-chemical equipment.
- Engineering equipment.
- Turnkey Projects.

➤ **under single platform to....**

- **Marine, Chemical, Power, Water, Steel, Automobile, Electronics, Metal finishing & Aerospace Industries.**

➤ **by using...**

- Precious metal oxides of **Iridium, Ruthenium, Platinum, Palladium etc.**
- Exotic Metals like **Titanium, Tantalum, Niobium, Zirconium, Nickel and their alloys.**
- Refractory metals like **Molybdenum.**
- High Steel series like **Duplex Steels.**

➤ **to...**

- **Save power.**
- **Resist corrosion.**
- **Reduce maintenance cost &**
- **Avoid product contamination.**

Engineering & Electro - Chemical Equipments



Custom-made Engineering and Electro-Chemical equipments from Inert, Exotic, Refractory and Precious Metals.

www.tianode.com

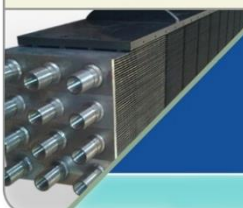
Cathodic Protection (ICCP)



MMO & Platinized Titanium, Niobium and their copper cored Anodes for Impressed Current Cathodic Protection (ICCP)

www.cpanode.com

Electrochlorinator and Electrolyzer



Electrochlorinator Anodes and or Hastelloy Cathodes Assembly (Electrolyzer / Cell) for Electro-Chlorinator.

www.ecanode.com

Electrolytic Scale Remover



Electrolytic Scale Remover for cooling tower pre- treatment of water form membrane element.

www.scaleseparator.com

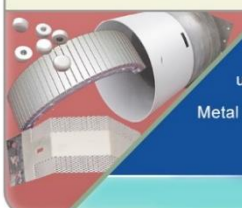
Chlor - Alkali Equipments



DSA Titanium Anodes and Nickel Cathodes brand new and refurbishment for chlor-alkali membrane cells, mercury cells and Diaphragm cells.

www.chloralkalianode.com

Platinized Anode



Platinum plated titanium, Niobium, Molybdenum, Nickel Anodes for Metal Finishing & other Electro-chemical application.

www.ptanode.com

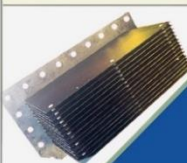
Turnkey Projects



Turnkey projects for the production of chlorate, Perchlorate, Iodate, Bromate, Chlorine and other electrochemical Production of Organic and Inorganic Chemicals.

www.tiprojects.com

Dimensionally Stable Anodes and Cathodes



Electro Painting Anodes
Chrome Anodes
Qua Water Anodes

www.tiaano.com

Oxy Hydrogen Generator



Oxyhydrogen Generator and its electrolyzer for the production of HHO (Oxy Hydrogen) and Electrolytic water ionization.

www.watercar.in

Composite Equipments



Composite (FRP / GRP) Equipments like storage tanks, Vessels, fittings and Mandrels for pipes.

www.fibtec.net

Online Store



Supply Chain Management portal for exotic metals like Titanium, Tantalum, Zirconium, Nickel etc..

www.tiaanostore.in

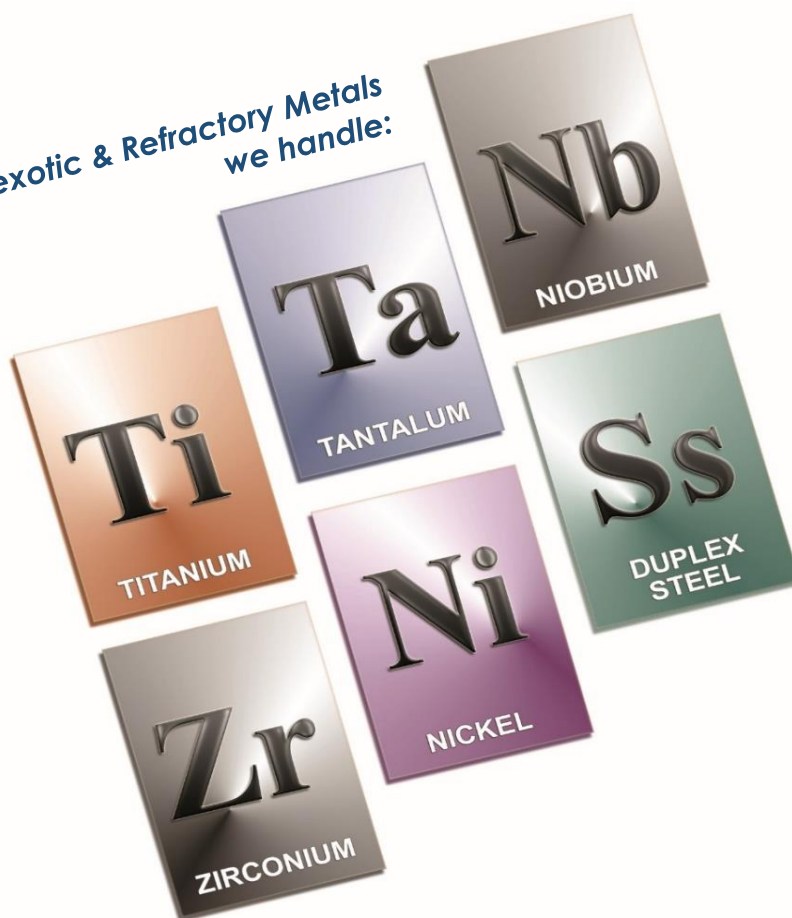
Tiaano Vidyashrm



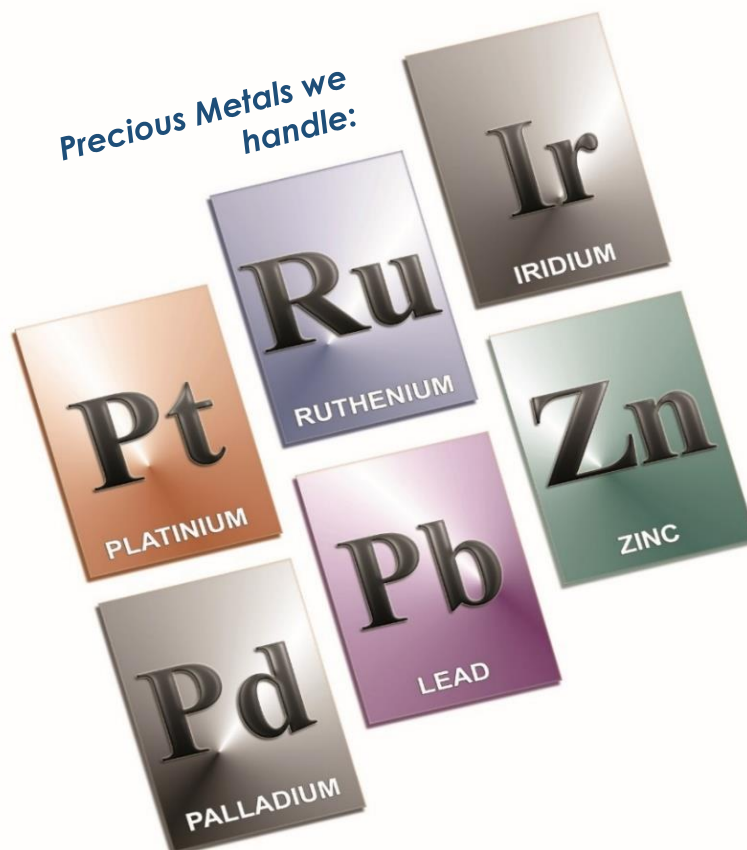
Commerce Campus
CBSE School for Employee's Children & other needy children.

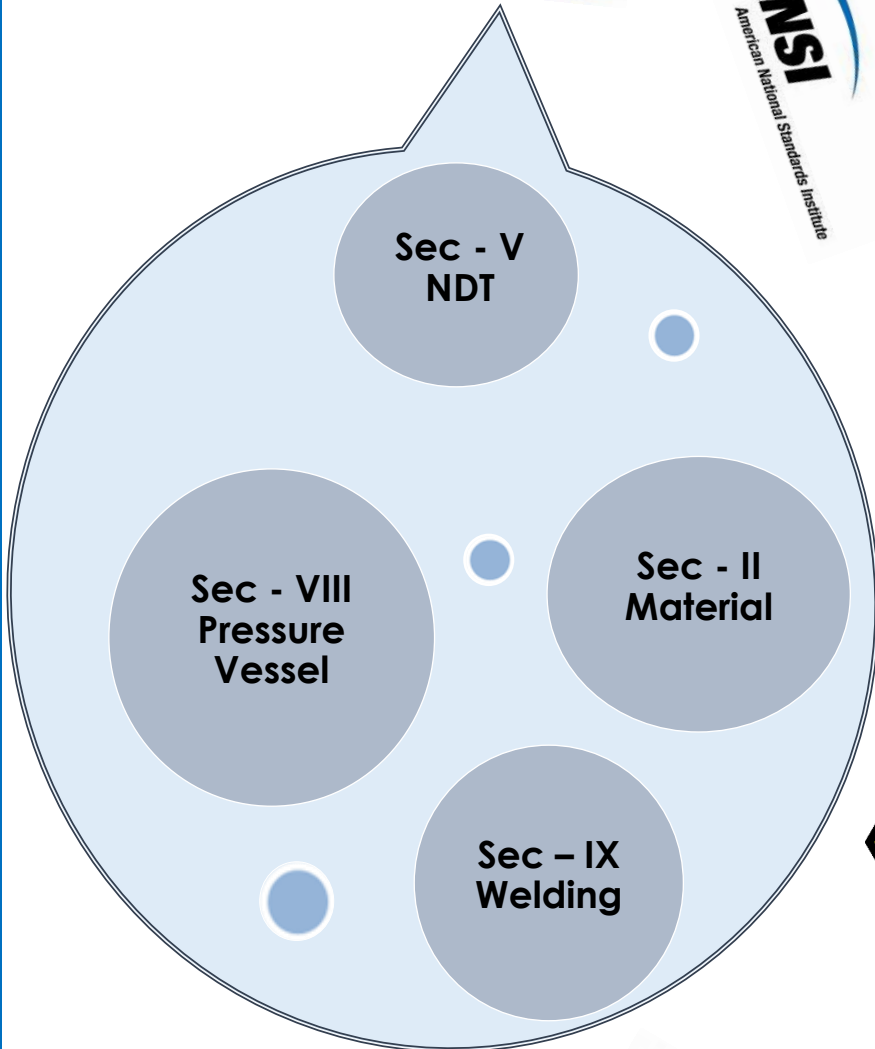
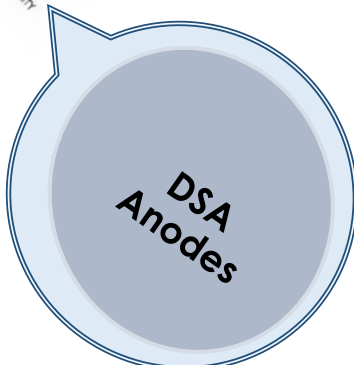
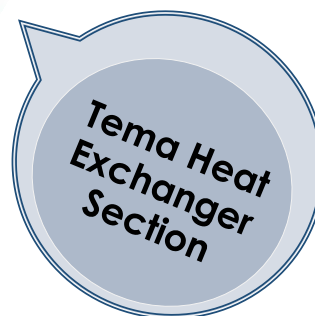
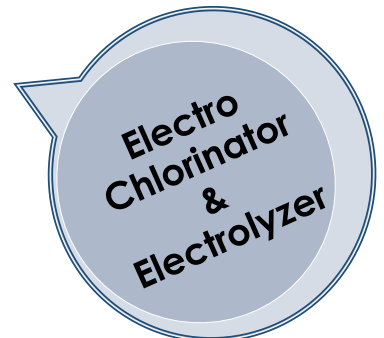
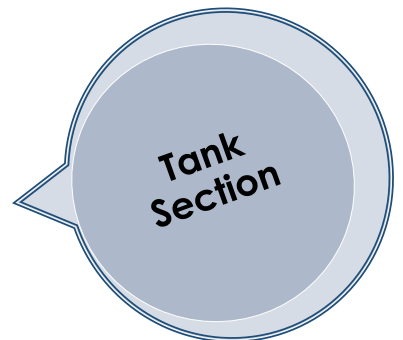
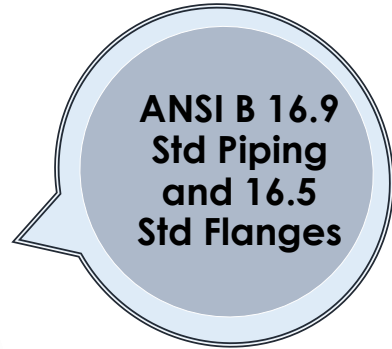
www.tiaanovidyashrm.com

Inert, exotic & Refractory Metals
we handle:



Precious Metals we
handle:







CORPORATE PROFILE

UHDE

Contract No. 66-0097-510
Project: KCIL-Cathodic Coating
Date: 06.7.2005

Sr. No. 001 Ref: ME.Vn: 5a

RELEASE ORDER

Vendor's Name: **M/s. Ti Anode Fabricators Pvt Ltd**
P.O. No.: **UIL/KCI/0097/P/MS47 DTD: 1.03.05**
Name of Equipment: **EJECTOR**
TON/Code No.: **AS PER ATTACHED ANNEXURE**
Quantity: **AS PER ATTACHED ANNEXURE (6 NOS)**
Length: **-**
Weight: **-**
Details of loose items / Loose items fixed on Equip.: **-**

Type of Packing (Specify special precaution if necessary): **ROADWORTHY**

No. of Packages: **TO BE DECIDED BY VENDOR. ROAD PERMIT TO BE OBTAINED PRIOR TO DESPATCH.**

Order Status: **Complete / Partial Release - 3 NOS**

Remarks: **3 NOS AND 3 NOS ARE STAMPED BY 317 MECH/4/6 AND 317 MECH/4/6 NOT STAMPED.**

Status of Documents: **TO BE SUBMITTED AS PER PURCHASE ORDERS TERMS AND CONDITIONS.**

The above equipment has been inspected and released for despatch. Vendor is requested to arrange for proper packing and make immediate arrangements for despatch as follows:

✓ Through reputed your own transport contractors as per terms of P.O.

□ Inform M/s. _____ to lift the goods from your shop

✓ Arrange to deliver goods at _____

✓ Packing list enclosed

To be delivered at **KCIL SITE** Address: **MS. KANGRIA CHEMICALS & INDUSTRIES LTD. ACULIDE INDIA LIMITED, RENUKOOT - 231 217, DIST: SONBHADRA, UTTAR PRADESH.**

✓ Other details to be followed as per despatch instructions.

UHDE INDIA LIMITED
K.N. VASUDEVANATHAN

UHDE

ENGINEERS INDIA LIMITED

INSPECTION CERTIFICATE

No.: **A35011191** DATE: **270109** SHT. 1 OF 1
ISSUING OFFICE: **CHENNAI**
CLIENT: **M/s CPCL** PROJECT: **Oil Jetty, Magapattinam** JOB NO.: **4866**
P.O. NO.: **A1/PO/000702/07-08** DATE: **241007**
C.O. NO.: **-** DATE: **-** ORDER STATUS: **X**
SUPPLIER: **M/s Ti Anode Fabricators Pvt. Ltd.** LOCATION: **CHENNAI-73**
SUB-SUPPLIER: **-** LOCATION: **-**
SUPPLIER REF.: **OC-147** SUB SUPPLIER REF.: **-**

Following item(s) inspected and released for dispatch

SL. NO.	EQPT/ITEM CODE/ TAG NO.	CHK DGT	DESCRIPTION	UNIT	QTY RELEASED	P/C
---	---	---	Spares for Impressed Current Cathodic Protection System (Oil Jetty)	Lot	1	C
---	---	---	P.O. Item-wise Details are Mentioned in Annexure - 1 (1 Page)			

EIL REMARKS:

(A) REFERENCE DOCUMENTS:

- 1) M/s CPCL Approved Datasheets and Drawings (dtd. 09/10 & 30/09/08)
- 2) P.O. Technical Specifications
- 3) M/s CPCL Approved ITP No.: TAF/CPCL/SMT/001 REV. 1

(B) THE FOLLOWING DOCUMENTS REVIEWED AND FOUND IN ORDER:

- 1) VENDOR'S INTERNAL TEST CERTIFICATES
- 2) MATERIAL/MANUFACTURER'S TEST CERTIFICATES FOR MAJOR BOUGHT OUT COMPONENTS
- 3) ANODE COATING THICKNESS & ANODE CONSUMPTION TEST REPORT FROM IIT-MUMBAI
- 4) VENDOR'S COMPLIANCE REPORTS

(C) THE FOLLOWING TEST(S)/CHECK(S) WITNESSED AT RANDOM AND RESULTS FOUND IN ORDER:

- 1) ELECTRICAL OHMIC DROP TEST
- 2) ASSEMBLY OF CABLE TO ANODE JOINTS
- 3) DIMENSIONAL CHECKS

ORIGINAL RECEIVED

Recd & Sent to CPCL on 29/10/09

INSPECTION DATE (S): **12/02/08, 15/09/08 & 27/01/09**

IDENTIFICATION MARKS: **Model / Sl. No. (wherever applicable)**

INSPECTING AUTHORITY'S SEAL / SIGNATURE

This Inspection Certificate is issued without prejudice to contractual obligation of the supplier and does not relieve him from the guarantees and obligations set forth in purchase order and attachment.

Distribution:-

Format No. 3-1842-0001 F1 Rev 1

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ENGINEERS INDIA LTD.

VELOSI

L5-IND-060

Inspection Flash Report

THIS REPORT MUST BE COMPLETED BY HAND WHILE AT THE VENDOR AND FAXED FROM THE VENDOR TO VELOSI BEFORE YOU DEPART FOR THE DAY.

Client: **ONGC** Vendor: **TOLANI FABRICATORS**
Project: **MBA/TIA/PO/001 Dated 08-03-10** Sub-Vendor: **TA ANODE FABRICATORS**
PO No.: **MBA/TIA/PO/001 Dated 08.03.2010** Location: **Noothanchary, Chennai-73**
So No.: **-** AUH Job No.: **-**
Client Reference: **-** Date of Visit: **05-06-2010** Next Visit: **NA**

MATERIAL INSPECTED THIS VISIT

Item No.	Quantity	Description
1	6 Nos.	MMO TITANIUM TUBULAR ANODE (Dim. 25MM DIA x 1000 MM LONG) to drawing no. 201003445

RESULTS OF INSPECTION: ☒ Accepted Subject to ITP Approval ☐ Release Note Issued ☐ Non-Compliance ☐ NCR Issued
ORDER STATUS: ☒ Complete ☐ Incomplete

COMMENTS (if applicable):

1. ITP Reference: QAP/1/10-11 DATED 08-03-2010 WHICH IS YET TO BE APPROVED.
2. Inspection carried out as per Vendor ITP.
3. Raw material certificates reviewed for Tube Anode, End plate and hook - Found in order.
4. Adhesion coating, Continuity test witnessed by adhesion tape test method @ 50% of the offered quantity - Found satisfactory.
5. Dimensions checked for OD, Length, Hook dimensions to the drawing no. 201003445 @ 50% - Found satisfactory.
6. Thickness of the tubular anode checked from the stock of the same batch - Found satisfactory.
7. Quality assurance certificate, Final inspection report, Continuity test report, Pneumatic test report, Plating / Coating report reviewed - Found in order.
8. Machining (In process inspection) report reviewed - Found in order.
9. M/S Ti Anode to get approval of ITP for final acceptance so as to give release note.

TYPE OF VISIT:

- ☐ Pre-Inspection Meeting ☐ Witness Mechanical Tests ☐ Witness Pressure Tests
☐ Intermediate Inspection ☒ Review all Certificates ☐ Dimension & Workmanship
☐ Final Inspection ☐ Witness NDT ☐ Coating & Plating
☐ Review Radiographs ☐ Pecking & Marking
☐ Witness Performance Tests ☐ Loading

Inspector Name: **R.NAGARAJAN** Signed: **[Signature]** Page 1 of 1 Copy of NCR/RK must be attached

VELOSI

Industry & Facilities Division



Page: 1/1

☒ Completely
☐ Partially

RELEASE NOTE Nr APL/TI ANODE/BV-CHE/8125/RN-01

BV Job nr: **IND.A.4.15.0101**

Project: **Mundra Thermal Power Project** Ref: **-**
BY Client: **M/s. Adani Power Ltd., Mundra, Gujarat** P/o nr: **-** (Client to BV)
Manufacturer: **M/s. Ti Anode Fabricators Pvt. Ltd., Chennai** P/o nr: **450198125 Dtd 06/08/2015** (Adani to Ti Anode)
Inspection requested by: **M/s. Adani Power Ltd., Mundra, Gujarat**

P.O. SL. Nr	SUPPLY / SUBJECT OF INSPECTION	ITEM / TAG Nr	QTY
10	Electrolyser Cell Flanged 4INCH, 90V Capacity : 25 KG/HR each Electrolyser Material Code: 3058010213	1001 C/D	2 Nos.

CONCLUSIONS / REMARKS :

- The above item has been inspected & released in accordance with specifications and purchase order requirements on hand at the vendor's premises at the time of inspection.
- For more details, please refer Inspection Report No.: APL/TI ANODE/BV-CHE/8125/IR-01

This note is issued further to an inspection whose duration and scope were limited by the terms and conditions of the contract with BV principal. This note is NOT an indication that the item(s) is (are) fit for any specific purpose and does not release the manufacturer, supplier and any party from their respective duty, guarantee, obligation and/or indemnity relating to, without limitation, patents, workmanship, materials, safety, performance in operation and/or reliability.

Inspected by: **Name: V. Baskar** Checked by: **Name: V. Baskar** Signature: **[Signature]**

Date of issue: **19-12-2015**
Inspection Centre: **BV-Chennai**
Distribution: ☒ Adani ☒ Ti Anode ☒ BV Ahmedabad ☒ BV Chennai

This note is subject to the General Conditions of Service of Bureau Veritas in force on the day of its issuance.

INSP 004

1/1

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BUREAU VERITAS


 CIN No.
 U74140JH1973GO1001199

MECON LIMITED
 A Division of Tiaano Group
 Regd. Office : Chennai, Tamil Nadu - 600 005, India. Tel : +91 43 2800 815 Fax : +91 43 2800 816

 Form No. 11.20(QQZ)-19 Rev-01
 IC No. : 01.20.QQZ.07189.IC.01
 Date : 22-Dec-2015

Page 1 of 2

Client : NMDC LIMITED	Project : QQZ - Detailed engineering & consultancy services for S.M.T.P.A. greenfield Integrated Steel Plant at Nagamur
Package : 03 (SEPC) - BPP & ETP Complex	Date of Inspection : 21.12.15
Contractor : Strim EPC Limited (Consortium Leader), Email - somasithara@strimepc.com	Contractor P.O No. : HO/Contracts/NISP/010, dated: 10-Jan-2012
Sub Contractor/Manufacturer : M/s. Ti Anode Fabricators Pvt. Ltd. # 48, Noothanchary, Madambakkam, Chennai-126, INDIA.	Subcontractor P.O No. : 1000008914, Dt- 31.07.2013
Place of Inspection : M/s. Ti Anode Fabricators Pvt. Ltd. # 48, Noothanchary, Madambakkam, Chennai-126, INDIA.	Inspecting Office : Bangalore
Call no. : NMDC/KC-12/M/COMBI STRIPPER/939, dated: 07-Dec-2015	Assignment No. : 11.20.QQZ.1.07169
Hard copy received on : 14-December-2015	

Following items are inspected as per inspection documents in accordance with P.O specification and/or approved QAP / datasheet / drawing etc. (as applicable) and are accepted

S.S No. / Equip. Id No.	Item Description	Unit	Quantity			
			Total Ordered	Offered	Accepted	Comm. Accepted
SL72 / AS22.1A-D	Combined H2S/NH3 Strippers	NOS	4	1	1	1

CONTRACTOR	SUB-CONTRACTOR/ MANUFACTURER	PURCHASER / CLIENT'S REPRESENTATIVE	MECON
Signature : Name & Designation : /	Signature : Name & Designation : /	Signature : Name & Designation : /	Signature : Name & Design: R. Prabhu, Design Engineer, Inspection & QA, Bangalore

 Note : 1. Acceptance of above equipment does not release the responsibilities of the contractor to supply and install the plant and equipment as per T.O. terms.
 2. The use of this Inspection Certificate by MECON or its authorized representative shall not hold Purchaser/MECON to accept the product

MECON LIMITED


 Certificate no: OE 1210 160/01
 Page 1 of 1

Project : _____

Client : TI ANODE FABRICATORS PVT. LTD., CHENNAI

Office : Chennai

Client's Order Number : SIGNED REQUEST FOR SERVICES DT.08.10.12

Date : 09 October 2013

Inspection Order No: 08 October 2013

Order Status : COMPLETE

Final : 08 October 2013

This certificate is issued to TI ANODE FABRICATORS PVT. LTD., CHENNAI, to certify that the undersigned Surveyor to Lloyd's Register Asia did, at their request, attended their Madambakkam works on the above mentioned date for the purpose of inspecting the undersigned items, against EXPRO RESOURCES LTD., BIRKSHIRE, U.K., P.O. No.: CPO - 12 - 2013 - 0810 DT.15.04.2013, to the following scope of inspection.

Scope of Inspection - QAP NO: 002/2012-13 DT. 30.05.2013.

1. Reviewed test certificates of material for Titanium: to stipulated specification in respect of Chemical composition and Physical properties as per QAP.
2. Reviewed manufacturer's reports for Continuity test, Plating/Coating reports and Pneumatic test of the system as per QAP.
3. Witnessed Performance test of the Chlorinator assembly as per QAP.
4. Carried out visual examination and overall dimensional check of the skid as per order requirements.
5. Reviewed and endorsed Manufacturer's test reports as per QAP.

DESCRIPTION: TIAANO ELECTRO CHLORINATOR 700GPH FOR SEA WATER CHLORINATION WITH SKID, MODEL NO.: AQUAFIL ECMV-D.716.7kgpr. CHLORINATOR DRG. NO.: 1304025, SKID DRG. NO.: 1304026.

For the purpose of identification, skid stamped "nk" using Surveyor's stamp on name plate.

The items described above are considered by the undersigned to comply with the order requirements in respect of the aforementioned scope of inspection.

[Signature]
 Surveyor
 Lloyd's Register Asia

S. NAGARAJAN
 FOR NAGARAJAN KRISHNAN
 Surveyor to Lloyd's Register Asia

A subsidiary of Lloyd's Register Group Limited

LLOYD'S REGISTER


VINCOTTE International India Assessment Services Pvt. Ltd.
 SAFETY, QUALITY, ENVIRONMENT - Member of the AIS-VINCOTTE Group
 Safety, Quality and environmental services

Reference Note Number - V/TPSC/PRISTINE/TIAANO/GP/11A - 01, Dated: 13.08.2017

INSPECTION RELEASE NOTE

Client : Pristine Water	End User : TPSC India private Ltd
Main Vendor : TI ANODE FABRICATORS PVT LTD	Sub Vendor :
Inspection Location : 48, Noothanchary, Madambakkam, Chennai-126, INDIA	P.O No. : PO-PW-17-18/329/160, Dt: 13/07/2017
Project : 3x55 MW POWER PLANT PROJECT PPRINIES	Inspection Report No. : V/TPSC/PRISTINE/TIAANO/GP/11A - 01
Order Status : <input checked="" type="checkbox"/> Complete <input type="checkbox"/> Incomplete	Date : 12.08.17
Release Status : <input checked="" type="checkbox"/> Complete <input type="checkbox"/> Partial	

P.O Item No	Item Description	Equipment Tag No's	P.O Qty	Offered Qty	Accepted Qty	Cumulative Qty Accepted
1	Supply & Fabrication of sea water based Electrolyzer Cell	100/2017-01 100/2017-02 100/2017-03 100/2017-04 100/2017-05 100/2017-06	06	06	06	06 Nos.

Distribution To : Client	VI Inspector Signature and Seal :	Reviewed by (Signature & Seal) :	Page : 1
Cc : Vincotte H.O.			
Vendor :	Name of the Inspector (G.P. TRANSGAULAN) :	Reviewer's Name :	
	Date : 13.08.2017	Date of Review :	

Note: This inspection release note does not release the responsibility of the contractor to supply and install the plant and equipment as per T.O. terms. The use of this inspection release note by MECON or its authorized representative shall not hold Purchaser/MECON to accept the product.

VINCOTTE


MECH TECH PROJECTS CHENNAI
FIELD INSPECTION REPORT

 Report No : 008 / Ti-Anode / 12
 Date: 04 .08.12

Project : M/S.J.K. Paper, Raigada, Orissa. Manufacturer: M/S. Ti -Anode Fabricator Pvt Ltd, Chennai.

Supply intended for: M/S.J.K. Paper, Raigada, Orissa. Order No: JKPM/NP/328/2012-13 DT: 13.04.12

Inspection ordered by: M/S.J.K. Paper, Raigada, Orissa. Placed with: J.K Paper to TI -ANODE

Supplier: M/S. Ti -Anode Fabricator Pvt Ltd. Supply: As below

Item Description: As below Qty: As below

G.A Drawing No: As below QAP No.30/2012-13/001 dt: 16/04/12.

Inspection documents Availability at Mgr's Place : ☒ Purchase Order ☒ Appd. QAP ☒ Drawings ☐ Appd. Data Sheet

Inspection Status : ☒ Completed ☐ Not Completed

Item Accepted as per QAP & released for dispatch : ☐ Yes ☐ No (Refer Below)

Item details as per inspection call : As per the inspection call reference no nil dt: 02/08/2012 he undersigned visited the works of

Ti Anode Fabricator Pvt Ltd on 04/08/2012 and our observation as follows.

SR. NO.	ITEM DESCRIPTION	Drawing number	QTY. In nos.
01	Pulp out Nozzle / Chute for IDO Tower	424-M-TAN-4148/R7	01

Our observations:

1. Dimensional inspection carried out found satisfactory except the following dimensions
 - a) In S. No 4.9/4.7 slope dimensions 2590 mm measures 2516/2518 mm and dimensions 2479 mm measures 2487/2490 mm.
 - b) In S. No. 4.1/4.8 slope dimensions 2365 mm measures 2387 mm and 2607 measures 2505/2508 mm.
2. After cleaning Ferroxyl test to be offer to us.
3. Water fill test to be offer to us.
4. Hammer mark noticed inside and outside chute to be reworked.
5. In galvanizing flange Galvanizing peel off/Noticed in O.D of the flange and in 10 holes rust noticed to be cleaned and minimum galvanizing thickness to be maintained by TI Anode.
6. After the above rework galvanizing thickness to be offer to us.
7. In radiography films JS Joint linear indication length of 70 mm noticed to be reworked

Conclusions

1. Point No 1(a) & b for the dimensional deviation TI Anode has to get approval from JKPM
2. Point No 2 to 6 as per above report to be complied by TI Anode and offer for our inspection.

Category : 1. Accepted. 2. Conditionally Accepted 3. Reinspection Required. 4. Rejected 5. Advice/Restriction	Travel Time :	Inspection Time :	NCR :	Y :	N :	C :	B :	Supplier's Signature & Date :	Surveyor's Signature & Date :

Page 01 of 01

MECH TECH

TUV INDIA PVT. LTD.
2nd Floor, Dhru Building,
88/2, Anna Salai, Chennai-600002

TUV
TUV NORD GROUP

INSPECTION RELEASE NOTE/CERTIFICATE NO: 8112681019/100-01 DATE: 10-09-2015

CUSTOMER: M/s. CHLOREN (PVT) Ltd south Africa. PLACE OF ISSUE: CHENNAI

PROJECT: PMO JOB NO. : NA

CONTRACTOR/PAIC: M/s. Ti Anode Fabricators (Pvt) Ltd. LOCATION: Chennai 600126

VENDOR: SUB-VENDOR: DATED: 28 July 2015

PURCHASE ORDER NO: CHL-15-0001

PO Item No.	Item Code/ Material Description	P.O. Quantity (Lmt)	Quantity Offered	Quantity accepted	Is item QTY complete as per PO
1	MMO Coated Titanium Mesh anodes 50mm width x 200 mm long	20 Nos.	20 Nos.	20 Nos.	Complete
2	Titanium mesh Cathodes 50mm width x 200 mm long	20 Nos.	20 Nos.	20 Nos.	complete

REFERENCE DOCUMENTS

- Approved RTR / Spec. No. / Data sheet : Adhesion test procedure No. WI No. 68.01.1.03
- Approved Drawing No. : 150737 Rev 2 & 150738 Rev 2 Approved by Chloren.
- Approved QAP/ITP/Pro. : TIAANO/08/2015-16 Dt 28.08.2015

STAGES WITNESSED

- Visual inspection carried for all offered Anode and cathodes found acceptable
- Dimensional check carried out for 10 % random selected Anodes and cathodes Found acceptable and report attested for records.
- Mounting threads checked with thread ring gauge - Found acceptable.

Documents/records reviewed:

- Material test certificates reviewed for offered materials - Found acceptable and attested.
- Reviewed adhesion test report - Found acceptable as per Tiaano Work instruction 08.
- Reviewed anode coating report MMO coating and thickness - Found acceptable, (coating thickness 12 microns as per mail confirmation given by Ti Anode to M/s Chloren mail dt 23 August 2015 taken as reference).

NON WAIVER (Heavy) : This IRN issued after getting the revised client approved drawing for detection of bonding test in cathode drawing No. 150738.

IDENTIFICATION : PO No & Item description & stamp on packing box.

ORDER STATUS : 50 Complete / 50 Complete

DATE OF INSPECTION : 08.09.2015

CONCLUSION : All items were inspected within the scope defined in approved QAP/ITP & found to meet the requirements of purchase order & specification.

All incoming instruments, equipment were verified for continued suitability for intended use, proper identification and maintenance and calibration status & found satisfactory.

Declaration: The issue of this inspection release note/certificate does not relieve the supplier / named person from his/her responsibility towards the client to supply (in) complete, in full compliance with the requirements of the purchase order & project specifications.

P. Pragasam
Surveyor to TUV India Private Limited

per T.S. Contract
2. The issue of this Inspection Certificate by NISCON or its authorized representative shall not bind Purchaser/NISCON in any way.

TUV

28/10/2008 12:57 FAX 91 642 4863009 SGS INDIA PVT LTD

SGS

CERTIFICATE No.: F530101/CHN/CD09721

500 Indira Private Limited,
500A, 1st Floor, 1st Floor, 1st Floor,
Thiruvallur, Chennai 600006.
Tel: 91 44 2982613 / 2982612
2982609 / 2982604
Fax: 91 44 2982606

CERTIFICATE OF INSPECTION

REF: IN/MS/IND/20080157/4 DATE: October 29, 2008 PAGE: 1 of 1

Client: M/s. Khalifa Al Ajoussi Trading Co.,
PO Box 222, Dammam 31411 - Kingdom of Saudi Arabia

Order: PO No. TIA / 001662/100508 DT. 10.05.2008

Seller / Manufacturer: M/s. Ti Anode Fabricators Pvt Ltd.,
#40, Nuthambary, Madambakkam, Chennai 600 013

Description of goods & Quantity: MMO Coated Titanium Mesh Anodes - 520 Nos.

Date and place of inspection: On 25.10.2008 at M/s. works, Madambakkam

Scope of inspection: Visual examination, dimensional check, witnessing of assembly check, quantity check & Review of M/s test certificates

Inspection: The above materials were subjected to detailed inspection as per P.O. / Specification -
(1) Visual examination
(2) Dimensional check
(3) Witnessing of assembly test
(4) Quantity verification
(5) Witnessing inspection
(6) Review of m/s test certificates

INSPECTION MARK: "SGS" yellow stickers pasted on all items.

CONCLUSION: On the basis of above inspection, the materials were found conforming to client specifications.

per pro SGS INDIA PRIVATE LTD.

SGSPRPLR 08440252

SGS

CEI
CERTIFICATION ENGINEERS INTERNATIONAL LTD.

INSPECTION CERTIFICATE / RELEASE NOTE

CERTIFICATE NO.: CEI/9515/108/579 DATE: 25.11.2013

PROJECT: 2x18 MW Coal Fired TPP Place of Issue: Chennai

CLIENT: PT Puncj Lloyd, Indonesia CUSTOMER: Pristine Water

CONTRACTOR: PRISTINE WATER Job No: CEI/9515

VENDOR/SUBVENDOR: Ti Anode Fabricators Pvt Ltd LOCATION: Chennai

PURCHASE ORDER NO.: PW/13-14/172/209 DATE OF P.O.: 01/04/2013

P.R. No.	ITEM DESCRIPTION	UNIT	QUANTITY		
			AS PER P.O.	OFFERED	RELEASED
1	Electrolyzer For Sea Water Electrolysis Tunnos SW/PE-14	NOS	2	2	2

REFERENCE DOCUMENTS:

- Pristine Purchase Order Referenced above.
- Pristine Approved QAP: PW/162/QAP/63 Rev 3
- Pristine Approved Vendor: GAD 1304008
- Pristine Test Sheet: PW/162/162/BS-05 Rev 2

TESTS WITNESSED:

- Visual, low 2x Accessible Dimension, Hydro test and continuity test witnessed - Satisfactory

DOCUMENTS REVIEWED:

- Vendor Sheet, Base plate, Tie Rod, Connecting Bolt, MTC, Reviewed. Vendor Plating/Coating Report-Reviewed
- Vendor Final Inspection report, Continuity Test report, Hydro Test Report-Reviewed
- Vendor Pressure Gauge Calibration Record

OBSERVATIONS/REMARKS: Above item satisfy all the requirements of applicable purchase Specification standards and purchase order except the following pending activities-NIL

IDENTIFICATION: Name Plate/ Stamped

ORDER STATUS: Complete

DATES OF INSPECTION: 25/11/2013

K.K. SATYAGOPAN
Date: 25.11.2013

CEI

TATA PROJECTS LIMITED
ACCEPTANCE - CUM - RELEASE NOTE

No. HYD/BRAS/SHCHETIAN/0715KSP
Date: 11-07-2015
Contract Code: 054104395604

CLIENT: M/s. Sri Srinivasan Alankar & Allied Chemicals Ltd. PROJECT: Karamel

VENDOR: M/s. Ti Anode Fabricators, Chennai

SUBVENDOR: Nil

P.O. No.: BRAC/AM/02/01/093
S. Date: 04-04-2015

P.O. No.: Nil
S. Date: Nil

ORDER STATUS: COMPLETE / INCOMPLETE

The following items have been inspected and found acceptable as per the specifications stipulated in the purchase order approved by the client. Details of inspection are given in the inspection report no. N/..... dt

P.O. No.	Description	Qty. No.	Tag No.	Tag No.	Qty. No.	Inspection Date	Remarks
1	Modified Filling Film	HE 222	E-1003	1 No	-	2.5.6	
	Heat Exchanger E-1003						8

Inspection / Sampling Yes / No Specimen: 7

Inspection to Vendor:

- Actual dispatch to effect immediately.
- Obtain dispatch clearance from Client / Project Manager.
- Protect machined surfaces against corrosion.
- Fix name plate.
- Blank all needles and other openings.
- Submit accurate drawings and final documentation including Statutory Certificates.

Inspection to Client:

- Send operating & maintenance instructions.
- Pack consignment suitably to prevent damage during transit.
- Any other (Specify).

VENDOR / SUBVENDOR: Signature: K. Srinivasan
Date: 11/7/2015
Name: K. Srinivasan

CLIENT'S REPRESENTATIVE: Signature: _____
Date: _____
Name: _____

DISTRIBUTION:

1. TPL (CS), HYD.
2. Vendor
3. Client
4. TPL Projects Dept. HYD
5. TPL Construction Site

* Vendor to note that this release note is subject to the conditions that neither Tata Projects Ltd. (the company) nor any of its directors, employees and agents shall be liable for any loss or damage or expense sustained by any person due to any act of omission or error in any contract entered into on behalf of the Company. However, in case it is proved that any person has suffered loss, damage or expense due to negligent act of the Company or its employees in providing the service, the Company will pay compensation to such person for his proved loss upto but not exceeding the amount of fee charged for that particular service which caused the loss.

TQF-01-Rev. 01

TPL

Production Plants		a) Fabrication Unit b) Dimensionally Stable Anode Activation Unit c) Machine Shop d) GRP/ FRP Production Unit e) Project Assembly and Testing Center	
Description		Capacity	Quantity
Power	EB Connection	180 HP	2
	Generator	180 KVA, 63 KVA	2
Plant Area & Infrastructure	Covered Area	57,500	4
	R&D	3,100	1
	Open Area	39,500	1
Facilities	Over Head Crane	10 Tons	2
	VMC Machine	1250 mm	1
	CNC Machine	10 HP	1
	Hydraulic Press	2	1
	Drilling Machine	½" – 1 ½"	7
	Milling Machine	750- 1200 mm	2
	Rolling Machine	1.5 – 7.5 HP	15
	Hydraulic press	20 – 150 Tons	5
	Grinding	0.5 – 7 HP	35
	Lathe Machine	50 – 4.5 Feet	6
	Measuring Instruments	Gas Analyzer, Hardness Tester, Vernier and etc...	30
	Compressor	5 - 20 HP	4
	Furnace	Max. 1800 x 2000 x 4000	4
	Cutting & Shearing	6-1500mm	18
	Goods Handling	1.5 – 10 Tons	13
	Heat Treatment	1 KW – 3 KW	3
	Welding Machine	200 A – 15 KVA	16
	Filament Winding Machine	3000 mm Dia. X 12000 mm Long	1

Titanium Gr.1, 2, 5,7 & 16 Equipments

INDUSTRY - WISE	PROCESS - WISE	PROCESS FLUIDS - WISE
Chlorine production	Nitration	Chlorine, chlorine and salt derivatives
Production of PTA	Odour control systems	Low concentration HCl
Gold, copper & nickel mining	Sulfuric acid concentration	Acetic acid
Pulp and paper	Chlorine generation	Salt water cooling
Coke plants	Pressure oxidation	Nitric acid
EMD processors	Electrolytic	Aniline
Copper foil production	Bleaching	Terephthalic acid
Agricultural chemicals	Ammonia stills	Adipic acid
Production of feed additives		Nitrates
Bromine industries		Sodium chloride
Specialty chemicals		Potassium chloride
Electrochemical industry		Perchlorates, chlorates
Polycarbonates		Hypochlorite
VCM		Urea
		Acetone / MEK

Tantalum & Niobium Equipments

INDUSTRY - WISE	PROCESS - WISE	PROCESS FLUIDS - WISE
Specialty chemicals	Sulfuric acid recovery and concentration	High concentration HCl
Silicone production	HCl steel pickling	Isocyanates
Acid recovery	Bromination	Key tones
Sulfuric acid regeneration	Solvent condensing	Anilines
Steel industry	HCl processing	MEK
Pharmaceuticals	Extraction of bromine	Bromine
Polycarbonates		High concentration sulfuric acid
Herbicides		
Hydrometallurgy		
VCM		

Zirconium Equipments

INDUSTRY - WISE	PROCESS - WISE	PROCESS FLUIDS - WISE
Agricultural chemicals Specialty chemicals Formic acid production Acetic acid production Plastics and polymers Organic processing Polycarbonates Biomass Magnesium processing VCM EMD Titanium dioxide Silicone production Urea Sulfuric acid recovery	Formic acid generation Acetic acid generation Oxidation of ethyl alcohol Nitric acid generation Oxidation of ammonia in air Hydrogen peroxide production Nitric acid production Meta crylicacid production Methyl methacrylate production	Acetic acid Nitric acid MMA: methyl methacrylate acid Methyl chloride Sulfuric acid Formic acid Urethanes Strong acids & alkalis Potassium hydroxide Hydrochloric acid Sodium hydroxide Chloride solutions Hydrogen peroxide

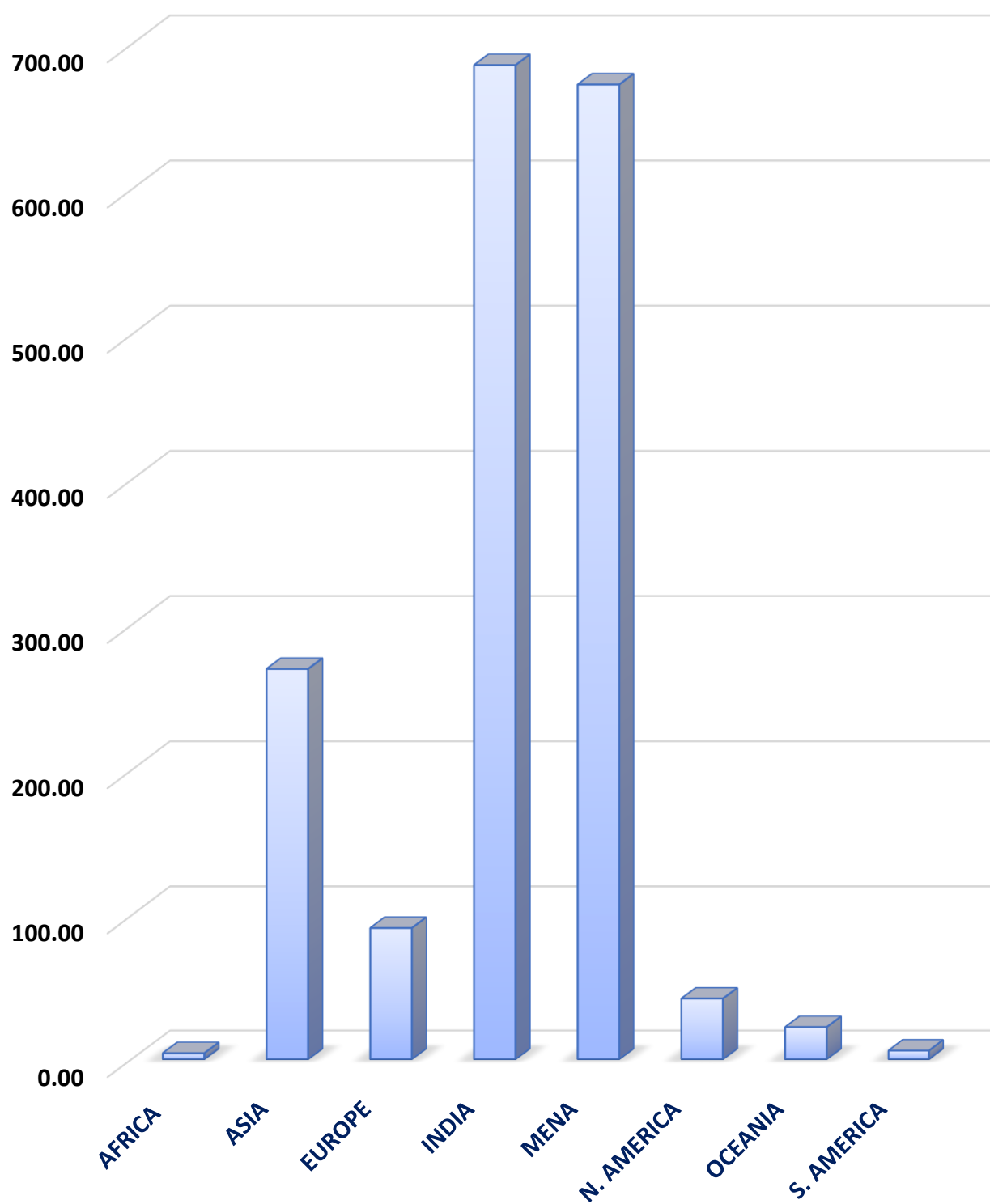
Nickel & Duplex Steel Equipments

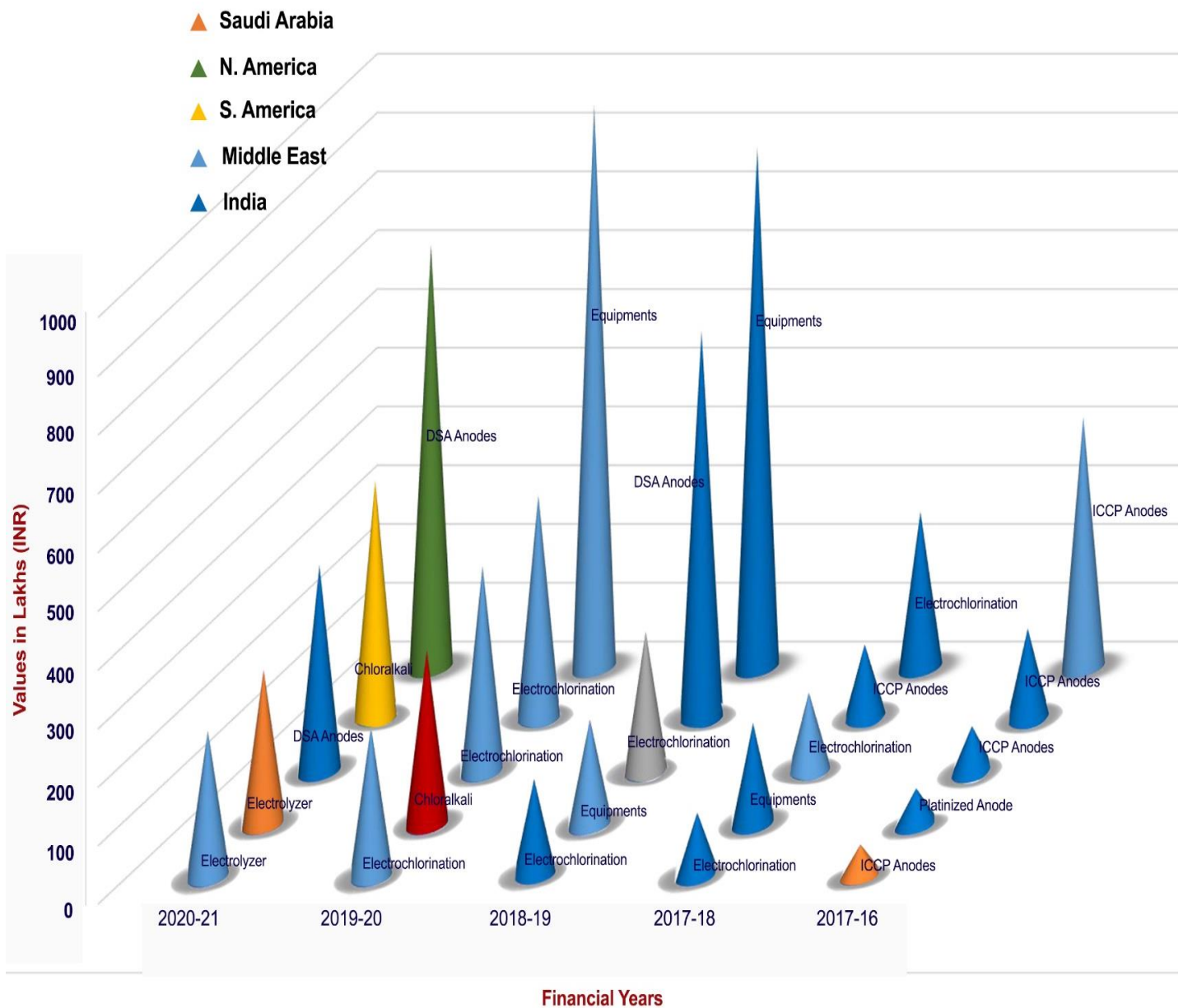
INDUSTRY - WISE	PROCESS FLUIDS - WISE
Steel and stainless steel pickling Pharmaceutical Silicone processing Production of acetic acid Incineration and pollution control Fertilizer industry	HCl Sulfuric acid HF/nitric solutions Phosphoric acid Aqueous solutions containing halide ions Hydrogen fluorides Sea water Caustic Alkali chemicals Oxidizing salts Reducing acids Aluminum chloride catalysts Fluoride environments

Composite Equipment's

INDUSTRY	Equipment's
Power Plant	Scrubber
Effluent Treatment Plant	Electro chlorinator
Desalination Plant	Sea water Intake & Outfall Pipe
Chemical Processing	Process Piping
Sewage Treatment Plant	Thermal Storage Tanks
Fertilizer industry	Acid Storage
Pollution Control	Reactors
Rain Water Harvesting	Air Control Dampers
Water & Waste Water Recycling	Ducts

MARKET SHARE IN PERCENTAGE





Management : **Mr. V. P. Jeyakumar**
Managing Director.

Ms. S. J. Vanajambika
Director - Tech.

Ms. P. E. Nancy
Director - Admin.

Banker's Name : UCO Bank, Selaiyur Branch, Chennai – 600 073.

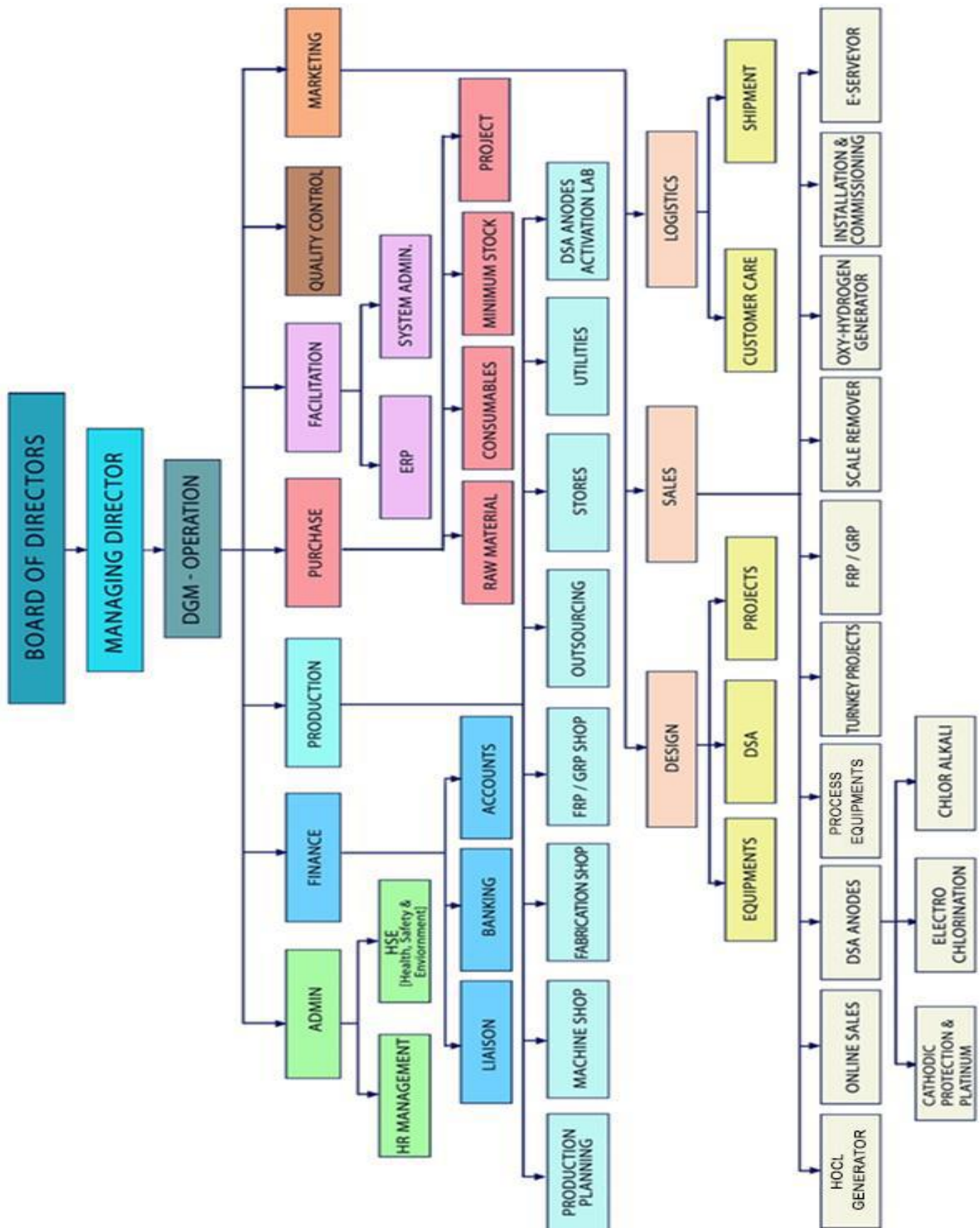
Human Assets : Marketing & Administration : 38

Engineering & Design : 48

Technicians & Workers : 93

Turnover in USD. : 2020 – 2021 : USD 4.285 Million (Rs. 3068.28 Lakhs)
2019 – 2020 : USD 2.982 Million (Rs. 2208.47 Lakhs)
2018 – 2019 : USD 2.975 Million (Rs. 2033.14 Lakhs)
2017 – 2018 : USD 1.552 Million (Rs. 1031.58 Lakhs)

Credit Ratings : DNB : 91-853-8856
Crisil Ratings : "SME 3" Made.



Name	: Ti Anode Fabricators Pvt. Ltd.,
Postal address	: #48, Noothanchary, Madambakkam, Chennai – 600 126, India.
Phone	: +91 44 2278 1148, +91 94445 69900
Fax	: +91 44 2278 1362
Email	: marketing@tiaano.com
Webpage	: http://www.tianode.com
Year of establishment	: 1992
Quality Certification	: ISO 9001: 2015, Regn. No: AB09IS 12851/R1
Quality Certification	: ISO 14001: 2015, Regn. No: AB14IS 214359
Type of Company	: Private Limited, under Companies Act 195
Registration Number	: U28112TN2003PTC052052
Market Presence	: 63 Countries
Nearest Railway Station	: Tambaram - 10 Km.
Nearest Seaport	: Chennai port, Chennai - 30 Km.

UDYAM REGISTRATION NUMBER	: UDYAM-TN-08-0017501
REGISTRATION FACTORY LICENCE	: KPM07579
GST	: 33AABCT9790N1ZN
CIN	: U28112TN2003PTC052052
IEC	: 0404012523
PAN	: AABCT9790N
TIN	: 33821602905
SSI	: 330031200551
NSIC	: NSIC/GP/GUI/2015/0014816
ESI	: 51001092430000602
TAN	: CHET07955D
EPF	: TBTAM0060596000
CII MEMBERSHIP	: S7361P
RCMC NO	: 401/M19237/2021-22
TAMIL CHAMBER OF COMMERCE	: 000489
TRADE MARK	: 1593369
AWW INDIA	: 03638875
D&B	: 91-853-8856
TNLWB	: TNL0057231
TSATIA	: AS-145

Certificate

Breakthrough Management Quality Registrar
(BMQR)

Certifies that the Quality Management System of

TI ANODE FABRICATORS PVT. LTD.
No. 48, Noothanchery, Madambakkam, Chennai - 600 126,
Tamilnadu, India.

has been assessed and found to be in accordance with the requirements of the quality standards

ISO 9001:2015

for the following scope of certification

- DESIGN, MANUFACTURING, SUPPLY, INSTALLATION AND COMMISSIONING OF ELECTROCHLORINATOR, SCALE REMOVER, OXY - HYDROGEN GENERATOR, HYDROGEN GENERATOR, HOCL GENERATORS, CHLORO - SANITIZER GENERATOR AND THEIR ELECTROLYZERS
- MMO AND PLATINISED TITANIUM & NIOBIUM DIMENSIONALLY STABLE ANODES
- CHEMICAL PROCESS EQUIPMENTS FROM TITANIUM, TANTALUM, NIOBIUM, ZIRCONIUM, NICKEL, DUPLEX STEEL & THEIR ALLOYS
- TURNKEY PROJECTS, PRODUCTION OF CHEMICALS BY ELECTRO CHEMICAL TECHNOLOGY, PROJECTS VIZ: CHLORATE, PERCHLORATE, IODATE, BROMATE, CHLORINE, CHORINE DIOXIDE ETC.,

Further clarifications regarding the scope of this certificate and applicability of ISO 9001:2015 requirements may be obtained by consulting the organization.

Original Certification Date : 08/07/2008
Current Certification Date : 29/07/2020
Ninth Surveillance Due on : 28/07/2021
Tenth Surveillance Due on : 28/07/2022
Certificate Expiration Date : 28/07/2023

Surveillance Audit

Next Audit Date : 28/07/2021
Next Audit Date : 28/07/2022



Certificate No: AB09S12651/R2

No. 5, 2nd Floor, Sahayamurthy Road, Thiruvananthapuram Nagar, Thiruvananthapuram,
Anna Nagar West, Chennai - 600 040, Tamilnadu, India.
Email: info@tiaano.com, Web: www.tiaano.com
P.O. Box: 1010101
The certificate holder must adhere to the company's manufacturing system (as required by the standards). This system must be regularly updated by BMQR Certifications Pvt. Ltd.
This Certificate is valid only for the products and services listed in the scope of certification. The certificate holder must ensure that the products and services are in accordance with the requirements of the standards. The certificate holder must ensure that the products and services are in accordance with the requirements of the standards. The certificate holder must ensure that the products and services are in accordance with the requirements of the standards.

ISO 9001: 2015

Certificate

Breakthrough Management Quality Registrar
(BMQR)

Certifies that the Environmental Management System of

TI ANODE FABRICATORS PRIVATE LIMITED.
No. 48, Noothanchery, Madambakkam,
Chennai - 600 126, Tamilnadu, India.

has been assessed and found to be in accordance with the requirements of the environmental standards

ISO 14001:2015

for the following scope of certification

- DESIGN, MANUFACTURING, SUPPLY, INSTALLATION AND COMMISSIONING OF ...
- ELECTROCHLORINATOR, SCALE REMOVER, OXY HYDROGEN GENERATOR, STP & ETP PLANT, HYDROGEN GENERATORS, HOCL GENERATORS, CHLORO - SANITIZER GENERATOR AND THEIR ELECTROLYZERS.
- MMO AND PLATINISED TITANIUM & NIOBIUM DIMENSIONALLY STABLE ANODES.
- CHEMICAL PROCESS EQUIPMENT'S FROM TITANIUM, TANTALUM, NIOBIUM, ZIRCONIUM, NICKEL, DUPLEX STEEL & THEIR ALLOYS.
- TURNKEY PROJECTS, PRODUCTION OF CHEMICALS BY ELECTRO CHEMICAL TECHNOLOGY, PROJECTS LIKE CHLORATE, PERCHLORATE, IODATE, BROMATE, CHLORINE, CHORINE DIOXIDE ETC.

Further clarifications regarding the scope of this certificate and applicability of ISO 14001:2015 requirements may be obtained by consulting the organization.

Original Certification Date : 05/05/2021
Current Certification Date : 05/05/2021
First Surveillance Due on : 04/05/2022
Second Surveillance Due on : 04/05/2023
Certificate Expiration Date : 04/05/2024

Surveillance Audit

Next Audit Date : 04/05/2022
Next Audit Date : 04/05/2023



Certificate No: AB14S214359

No. 5, 2nd Floor, Sahayamurthy Road, Thiruvananthapuram Nagar, Thiruvananthapuram,
Anna Nagar West, Chennai - 600 040, Tamilnadu, India.
Email: info@tiaano.com, Web: www.tiaano.com
P.O. Box: 1010101
The certificate holder must adhere to the company's manufacturing system (as required by the standards). This system must be regularly updated by BMQR Certifications Pvt. Ltd.
This Certificate is valid only for the products and services listed in the scope of certification. The certificate holder must ensure that the products and services are in accordance with the requirements of the standards. The certificate holder must ensure that the products and services are in accordance with the requirements of the standards. The certificate holder must ensure that the products and services are in accordance with the requirements of the standards.

ISO 14001: 2015

CERTIFICATE

Issued in authentication with the requirements of the applicable directives, as amended, BMQR certifies that the Technical Documentation of the products, drawn by the applicant, is in accordance with the specified directives and standards.

CERTIFICATE NO : ABCEIS204210

ORIGINAL CERTIFICATION DATE : 04/06/2020

CURRENT CERTIFICATION DATE : 04/06/2020

CERTIFICATION EXPIRY DATE : 03/06/2025

MANUFACTURER : **TI ANODE FABRICATORS PVT. LTD.**
No. 48, Noothanchery, Madambakkam,
Chennai - 600 126, Tamilnadu, India.

PRODUCT NAME : HOCL Generator Skid Assembly

MODEL/TYPE : Tiaano HOCIS / 0.010, Tiaano HOCIS / 0.020, Tiaano HOCIS / 0.030
Tiaano HOCIS / 0.040, Tiaano HOCIS / 0.050, Tiaano HOCIS / 0.075
Tiaano HOCIS / 0.100, Tiaano HOCIS / 0.150, Tiaano HOCIS / 0.200
Tiaano HOCIS / 0.250, Tiaano HOCIS / 0.300

BRAND NAME : **Tiaano**

DIRECTIVES : Electromagnetic Compatibility Directive (2014/30/EU)
Machinery Directive 2006/42/EC
Low Voltage Directive 2014/35/EU

STANDARDS : IEC 61000-6-1:2005, IEC 61000-6-2:2005 &
EN 60204-1:2018

MANUFACTURER DECLARATION OF CONFORMITY REF : MDC001

The technical documentation shows that the product complies with the Essential safety requirements prescribed as giving presumption of compliance with the essential requirements in the listed CE Directives. The technical documentation of the product refers only to the products listed in this certificate. Any significant modification will make this certificate invalid. The product safety with the manufacturer or his representative in accordance with the applicable directives (CE Marking). This certificate remains the property of BMQR and the certificate holder shall be aware through regular annual surveillance audits.

SURVEILLANCE AUDIT SCHEDULE

First Surveillance Audit Due On: 03/06/2021

Second Surveillance Audit Due On: 03/06/2022

Third Surveillance Audit Due On: 03/06/2023

Fourth Surveillance Audit Due On: 03/06/2024



BMQR Certifications Pvt. Ltd.
No. 5, 2nd Floor, Sahayamurthy Road, Thiruvananthapuram Nagar,
Thiruvananthapuram, Anna Nagar West, Chennai - 600 040
Email: info@tiaano.com, Web: www.tiaano.com
P.O. Box: 1010101

CE

Acuite
RATINGS & RESEARCH



Press Release
Ti Anode Fabricators Private Limited
April 22, 2019

Rating Downgraded and Reaffirmed

	Rs. 11.00 Cr.
Total Bank Facilities Rated*	ACUITE B / Outlook: Stable (Downgraded)
Long Term Rating	ACUITE A4 (Reaffirmed)
Short Term Rating	
* Refer Annexure for details	

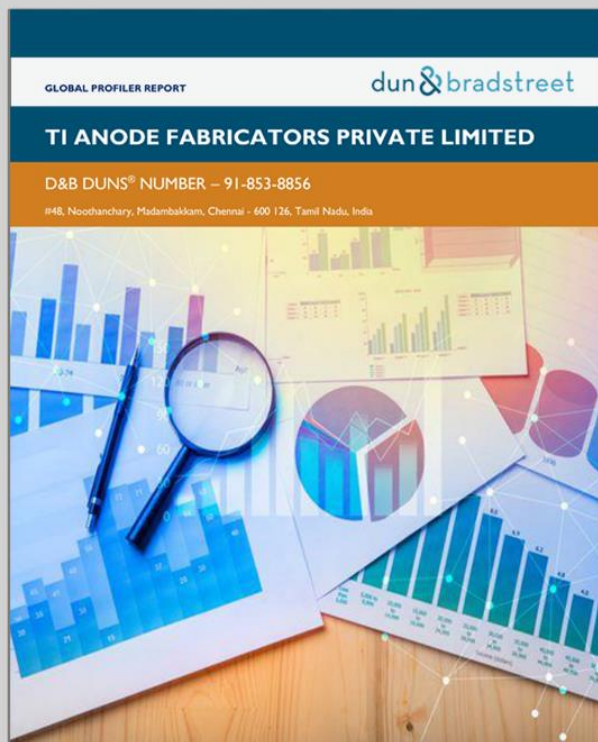
Rating Rationale

Acuite has downgraded long-term rating to 'ACUITE B' from 'ACUITE B+' (read as 'ACUITE B plus') and reaffirmed short term rating of 'ACUITE A4' (read as 'ACUITE A4') to the Rs. 11.00 crore bank facilities of Ti Anode Fabricators Private Limited (TAPL). The outlook is 'Stable'.

Established in 1992 by Mr. V.P. Jeyakumar, TAPL is engaged in manufacturing of engineering and electro chemical equipment such as cathode protection anodes, platinised titanium anodes, electrolyzers, chlorinators and HHO Generator, among others. The company has a facility located in Tambaram (Chennai).

ACUITE

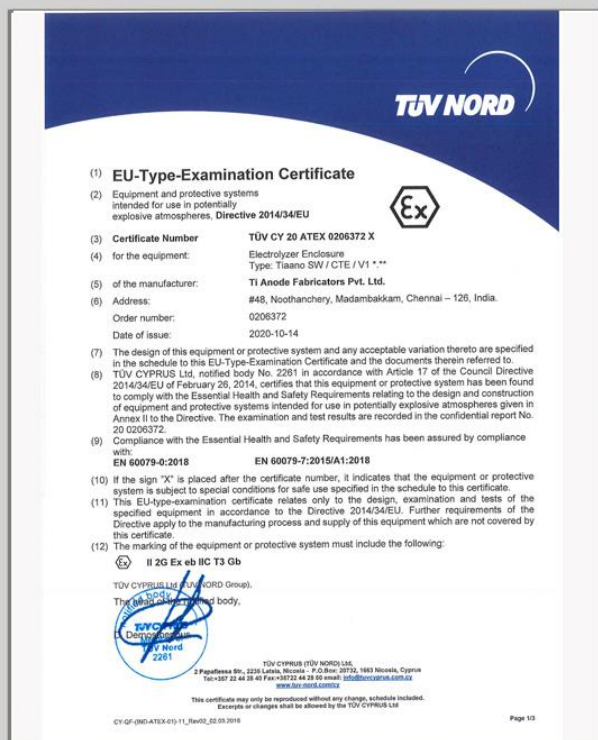
Tiaano®
Innovation In Inert Metals



D & B



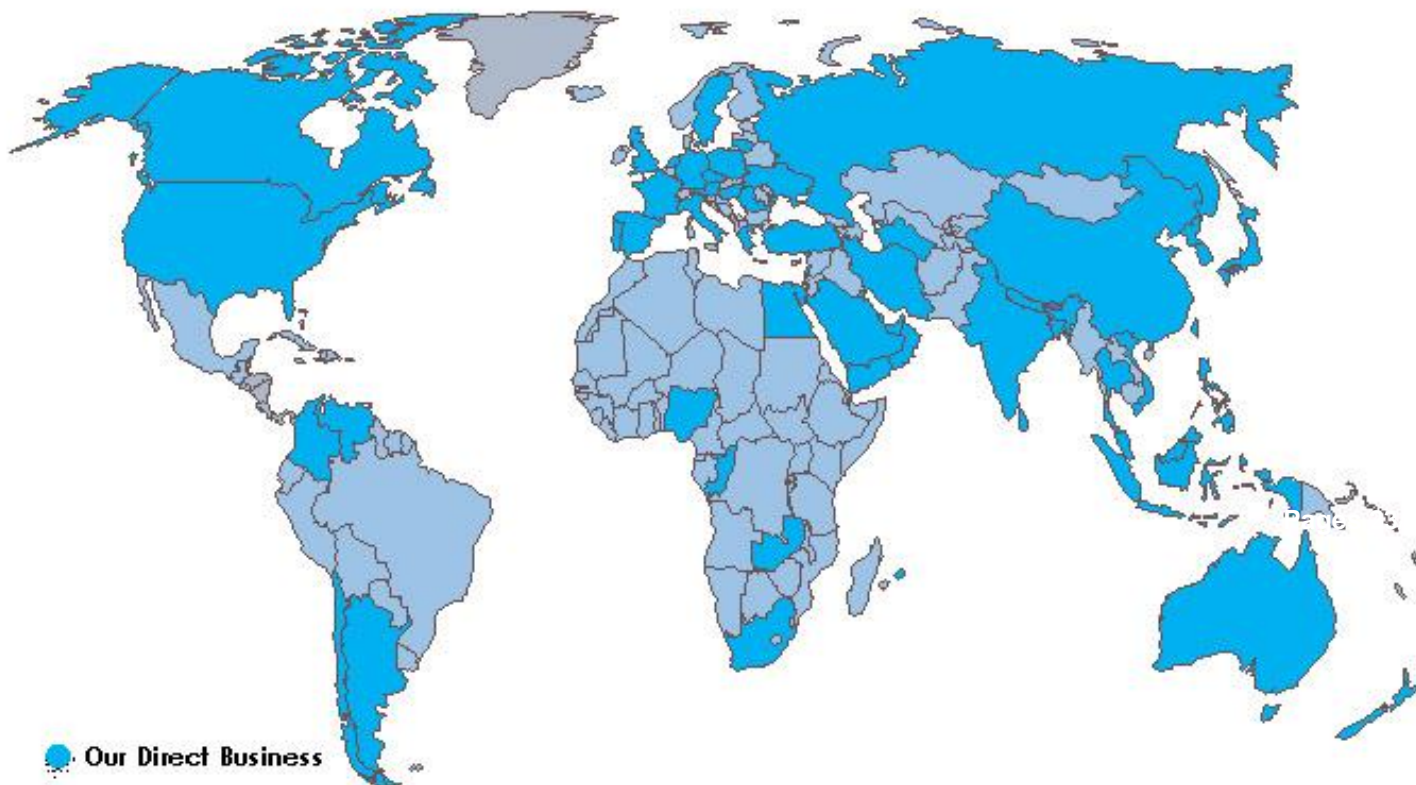
CE



ATEX



OHSAS



India	Malaysia	Sweden	France	Austria	Lithuania
Indonesia	Singapore	Greece	Netherlands	Bangladesh	Nepal
New Zealand	Vietnam	Portugal	Spain	Brunei	Zambia
Thailand	Argentina	Switzerland	UK	Georgia	Yemen
China	Canada	Romania	Israel	Hungary	Venezuela
Taiwan	Colombia	Turkey	UAE	Sri Lanka	Sudan
Japan	Chile	Denmark	Saudi Arabia	Iran	Qatar
Philippines	USA	Italy	Egypt	Iraq	Nigeria
South Korea	Germany	Russia	South Africa	Kuwait	Mauritius
Australia	Poland	Ukraine	Bahrain	Lebanon	Congo
					Belgrade

Admin & Manufacturing:

TI Anode Fabricators Pvt. Ltd

#48, Noothanchary, Madambakkam, Chennai- 600126, India.

Phone: +91 94445 69900, +91 44 2278 1148, Fax: 2278 1362

Email: marketing@tiaano.com, tianode@gmail.com, Web: www.tianode.com