

BETA POWER CONTROLS

ISO 9001-2015 CERTIFIED COMPANY

Since 2007



bTM
p

beta power
anything in power

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BETA POWER CONTROLS, COIMBATORE, INDIA AN ISO 9001:2015 TVE ACCREDITED COMPANY,

Leading manufacturing & Exports Established in 2007 with a corporate objective to provide efficient energy for greener future, Beta power controls has grown to be one of the country's biggest manufacturers of power saving and power conditioning equipment's with the largest satisfied customer base. The products manufactured by us have made a distinct place in the market owing to their features like excellent performance, longer lifespan and less power consumption. with an objective to manufacture quality products, our experts use the latest equipment and best quality raw material provided by our trusted vendors of the market.



OUR SERVICES

- Servo Voltage Stabilizer
- Static Stabilizer
- Isolation Transformer
- UPS
- Control Transformer
- Voltage Variable Transformer
- Special Purpose Transformer
- Rectifiers
- Phase Converters
- Frequency Converter
- Harmonic Filter
- APFC Panel
- VFD Panel
- Electrical Panel
- Control Panel
- Plc Panel
- Energy Saving Equipment
- Solar Project
- Load Bank
- Maintenance ET Spare Support.

QUALITY POLICY

BETA POWER CONTROLS is committed to satisfy the customer by supplying the quality products as per customer's specification at reasonable price and will continually improve the effectiveness of quality improvement system.

OUR VISION

Our vision is to become a technology based Indian Engineering Company & to emerge out as a leading manufacturer in the domestic & international market.

OUR MISSION

"It's our mission to strive for synergy between technology, systems and human resources, to produce products and services that meet the quality, performance and price aspirations of our customers. while doing so, we maintain the highest standards of ethics and social responsibilities.

CUSTOMER SATISFACTION

Quality for us is not just a word that defines our product but our capability to achieve complete customer satisfaction. Working with the prime focus of achieving complete customer satisfaction, we work in coordination with our clients to conceptualize their idea and manufacture machines exactly as per their requirements. We also provide our customers excellent after sale service for the maintenance and long service life of the machine. Equipped with the most sophisticated technology and competent engineers, we have innate capability to meet every requirement of our esteemed customers.

AFTER SALE SUPPORT

In a quest to ensure complete customer satisfaction, we provide excellent customer service to our customers. We also offer customer friendly technical assistance for new installation where highly qualified engineers attend the queries.

R&D

Our R&D team has always kept us ahead by developing innovative products for usages in various industrial applications. Committed to providing the best solution, our R&D team carries out intensive research for developing components of varied configurations as per the requirement of our clients. Our R&D department aims at developing cost effective and improved performance products to meet the ever-changing requirements our customers.

EXPORTS

We regularly
Exports more than
30 countries.



FIELD OF APPLICATION:

- Cement Plants
- Flour Mills
- Clubs
- Engineering Units
- Hotels
- Pharmaceutical Units
- Hot & Cold Rolling Mills
- Rice Shellers
- Textile Mills
- Paper Mills
- Rubber
- Cold Storages
- Food Processing Unit
- Hospitals
- Nursing Homes
- Tea Estate
- Food ware
- Leather Units
- Distilleries & Beverages
- Tube Mills
- Oil & Vanaspati Plants
- High Rise Buildings
- Industries

APPROVALS

REPORT No.: F530101/CBE/R004735
 SGS India Private Limited,
 Skanda Square, 1st Floor,
 1025/1 Ayanahalli Road,
 Coimbatore - 641 018,
 Tel: (91 422) 220940, 2220974
 Fax: (91 422) 2221841

REPORT OF INSPECTION

REF: Buss Order No: 5008902 DATE: 09.06.2019 PAGE 1 of 1

At the request of M/s. Beta Power Controls, Coimbatore, we have carried out the inspection of said materials given below:

CONSIGNEE: M/s. Beta Power Controls, Coimbatore

SUPPLIER: M/s. Beta Power Controls, H.No.4205, Boudhayaish Near Chennai Automation, Coimbatore-641105.

DOCUMENT REF.: Proforma Invoice No & date: BETAEXP/18/17-18 DT. 16.03.2018 & Manufacturer serial No: 19/03/2018

DESCRIPTION OF MATERIALS & QTY: Servo Controlled Voltage Stabilizer with starts - 01 No.
PLACE AND DATE OF INSPECTION: Make: BETA POWER, Capacity: 1000VA Model: tp1000/SV230, Serial No: 9704 Dated 23.05.2018 at Beta power controls, Coimbatore

SCOPE OF INSPECTION: Visual Inspection, General Voltage testing, Cut off function, Insulation resistance (IR), High Voltage test (HV), Review of Documents.

INSPECTION: Servo Controlled Voltage Stabilizer were subject to inspection as per sampling plan 100% covering the following:

- Visual Inspection of Workmanship, finish, Neatness, Name Plate Details, Wiring arrangement, Body Earthing, Internal Equipment having, and for any physical damages
- General Voltage Testing (ON/OFF function) of Stabilizer done for various Incoming Voltage Ranges and obtain Constant output voltage
- Cut off Function identified by automatic alarm for Low output voltage (cut off 330V), High Output Voltage (Cut off 440V) & Phase Reversal
- Insulation Resistance (IR) value checks before and after HV and values found >150MΩ
- High Voltage (HV) test witnessed for 2.5kV for 1 Mn and without
- Review of Test Reports/Documents

INSPECTION MARKS: SGS yellow single sticker pasted near name plate.

CONCLUSION: On the basis of our inspection, the material was found satisfactory.

This document is issued by SGS India Private Limited on behalf of the Kenyan Bureau of Standards (KBS) and is subject to the applicable SGS General Conditions for Product Conformity Assessment. It is not valid for use in any other country. The Kenyan Bureau of Standards (KBS) is a member of the International Bureau of Standards (IBS) and is subject to the applicable IBS General Conditions for Product Conformity Assessment. The Kenyan Bureau of Standards (KBS) is a member of the International Bureau of Standards (IBS) and is subject to the applicable IBS General Conditions for Product Conformity Assessment. The Kenyan Bureau of Standards (KBS) is a member of the International Bureau of Standards (IBS) and is subject to the applicable IBS General Conditions for Product Conformity Assessment.

For SGS India Private Ltd.

 This Report contains 1 (One) Page

SGSPAPER
18071245

KENYA BUREAU OF STANDARDS

PRE-EXPORT VERIFICATION OF CONFORMITY (PY/C)

UCR Number: UCR001901528128 Doc No: 9-2019/0544732
 ID/ID No: E190204195 Issuance Date: 10.05.2019
 PY/C date: 13.04.2019 Page: 1 / 1
 Reference No: 4150294911

Importer: FIKEN HOLDINGS LIMITED
 P.O BOX 2768-00300

Nairobi - Kenya
 Phone # 254202320904 Fax # 254202320904
 E-Mail info@fiken.co.ke

Exporter: BETA POWER CONTROLS
 45 605 BODHAYAISH

Coimbatore - India
 Phone # 91 422 220940
 E-Mail betacontrols@gmail.com Fax #

Date of inspection: 17.04.2019 **Place of inspection:** Coimbatore, IN **Port of Destination:** N/A **Norms:** KE

Shipment Mode: SEA **Country of Supply:** IN

Invoice #: B3666231 **Quantity Delivered (of/Part):** TOTAL

Declared Value: 15,500.00 USD **Invoice No:** BETAEXP 001/19-20 **Invoice Date:** 05.04.2019

Declared Value	Quantity	Product	Route Used	Standard / Normative Ref.	Registration / Licence Ref.
50040000	31 Numbers	SUPPLY OF BETA POWER MAKE SERVO SERVO STABILIZER AIR COOLED INDOOR MODEL	A	KS REC 6105-2: 2:2010	NA

Gross Weight: 3420 KG

Remarks: VALID INTERNAL TEST REPORT, VALID ISO 9001 CERTIFICATE, INSPECTION REPORT 17.04.2019

Provided and authorized by SGS Nairobi Liaison Office on Date: 10.05.2019
 Authorized Officer: SGS INDIA PVT LTD - GSI - MUMBAI - INDIA
 PRODUCTION OFFICE
 This document is valid for three months from the date of issuance.
 This document is issued under the authority of the Pre-Export Verification of Conformity Programme, for and on behalf of the Kenya Bureau of Standards, KENYA

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We would be happy to receive your feedback on the SGS Governments and Institutions Services (GIS), which you can do by completing the following on-line user feedback form: <http://www.sgs.com/feedbackform>

SGS India Private Limited
 18071245

NO. : R 189742
 DATE : 16.12.2019
 Page 1 of 2

SGS India Private Limited,
 Regd. & Corp. Office :
 40, Ad Shreeharshya Marg,
 Poonam Road, Near Old
 Mumbai - 400 003,
 Tel. : (91) 6940 8508
 Fax : (91) 6940 8509

Executing Branch :
 Plot No. 23 (P) A 26 (P)
 Second Main Road, Amber Industrial Estate
 Chennai - 600 088
 Tel: (91 44) 5027 730
 Fax: (91 44) 502 3014

FILE NO.: INCH/IND/201905050/1
 Buss Order No.: 5018440

RELEASE NOTE

Name & Address of the Client: M/s Sri Venkatasalpathy & Co, Kovilpakkam, Chennai.

Name of the Project (if any): NA

Name & Address of the Vendor (Seller/Manufacturer): M/s BETA Power Controls, (Manufacturer), Coimbatore.

Contract /Order No & Date: PO ref no SVC/PO No: 363/2011-20, Dated: 30.11.2019, (Sri Venkatasalpathy & Co to BETA).

Date (s) & Place (s) of Inspection: On 10.12.2019 At M/s BETA Power Controls, Coimbatore.

Item No. as per Contract Order / S/N	Brief Description of the Item	Quantity As per contract order	Quantity Previously Passed	Quantity Offered	Quantity Now Passed	Quantity Rejected	Quantity Balance
1.	SERVO CONTROLLED VOLTAGE STABILIZER Capacity: 10 KVA Model: tp 10 SVS 340 Output Voltage: 400 V (+1%) 3phase + Neutral Frequency: 50/60 Hz Maximum Output Current: 30 A Type of Cooling: Air cooled Date of Manufacturing: 07.12.2019 Serial No: 9935 to 9937	06 No's	Nil	06 No's	06 No's	Nil	Nil
2.	Capacity: 10 KVA Model: tp 30 SVS 340 Input Voltage: 340-480 V Output Voltage: 400 V (+1%) 3phase + Neutral Frequency: 50/60 Hz Maximum Output Current: 40 A Type of Cooling: Air cooled Date of Manufacturing: 07.12.2019 Serial No: 9938 to 9945	08 No's	Nil	08 No's	08 No's	Nil	Nil

Form VP-IN-IND-016 Ver. 1.1/01.12.2018

SGS India Private Limited
 18071245

NO. : R 189742
 DATE : 16.12.2019
 Page 2 of 2

SGS India Private Limited, FILE NO.: INCH/IND/201905050/1
 Buss Order No.: 5018440

RELEASE NOTE

Reference Document No. (Spec / Standard / Code Drawing / Sampling Standard / Any Other)	Scope of Inspection (Checks / Tests witnessed & reviewed)	I	W	R	Observations/ Results
P.O ref no SVC/PO No: 363/2011-20 Dated: 30.11.2019 (Sri Venkatasalpathy & Co to BETA).	1. Visual Inspection done for product workmanship, finish, neatness, completeness, Name plate details (Model, Serial number, Capacity, Input/output voltage, frequency, Maximum output current, type of cooling, OEM and manufacturer address), front display unit, trolley arrangement, body Earthing, internal equipment being free from physical damages checked.	✓	✓	✓	Found Satisfactory
QAP No. / Revision: NA Drawing No. / Revision: NA	2. Quantity verification done and found tallied with PO quantity.	✓	✓	✓	
Reference Standard/Code/Specification & Edition/Revision/Date: Email dated: 09.12.2019 from Sri Venkatasalpathy & Co, Chennai.	3. Functional (ON/OFF) of stabilizers checked.	✓	✓	✓	
Sampling: 100%	4. Voltage testing of stabilizers done for various incoming voltage range (340 to 480V) and obtain constant output voltage (400V with +1% tolerance) and found	✓	✓	✓	
	7. Review of test certificates.	✓	✓	✓	

Marking: N/A
 Deviation accepted (if any): Nil

Inspection Identification	Location of Identification	Inspected By	Signature of SGS Representative	Signature of Vendor Representative
SGS Yellow single Sticker affixed	Near Name Plate of Stabilizers.	M. SURESHKUMAR		

The information stated in this release note is derived from the results of inspection or testing conducted by SGS India Private Limited in accordance with the requirements of our clients, and/or our assessment of such results on the basis of any technical evidence, such as customer practices, or other circumstances which should be our professional opinion to take into account.

In accordance with Client's instructions, the Company's involvement has been limited to witnessing/observing a third party's intervention(s) at the third party's installation/repair or other facilities and installations used for the intervention(s). The Company's sole responsibility was to be present at the site of the third party's intervention(s) to witness the results, or confirm the occurrence, of the intervention(s). The Company is not responsible for the condition or calibration of apparatus, instruments and measuring devices used, the accurate methods applied for the verification, actions or outcomes of the third party's personnel or the analysis results. This document is issued by the Company under its General Conditions of Service available at http://www.sgs.com/terms_and_conditions. Attention is drawn to the limitation of liability, exclusions and limitation clauses defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its client and this document does not constitute a contract or a transaction but merely a statement of the facts and observations made at the time of the intervention. Any misstatement, alteration, forgery or falsification of the content or appearance of the document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Form VP-IN-IND-016 Ver. 1.1/01.12.2018

APPROVALS


B.E.S.C
 BORDEREAU ELECTRONIQUE DE SUIVI DES CARGAISONS


ELECTRONIC CARGO TRACKING NOTE

Référence BESC - N° 19TS01091

INFORMATIONS GENERALES

Shipper: BETA POWER CONTROLS	Bill Of Lading / Commençement: CH00122768
Expéditeur: GEODIS PROJECTS CAMEROON	Voyage / Navire: CAPE NORMAN
Carrier / Transporteur: CMA CGM	Date of loading / Date d'embarquement: 07/09/2019
Incoterms / Incoterm: CIF	Country Of Origin / Pays d'origine: India
DI number / Numéro DI:	Country Of Loading / Pays d'embarquement: India
Final Destination / Destination finale: NDjimesa	Port Of Loading / Port d'embarquement: Tuticorin
Bill Value / Valeur Partant: 28625 USD	Port of Embargo / Port de débarquement: Douala
Freight Maritime / fret Maritime: 1200 USD	Fob Value / Valeur FOB: 25373 USD

DESCRIPTION DE LA MARCHANDISE/GOODS:
 SUPPLY OF BETA POWER MAKE 300KVA STATIC FREQUENCY CONVERTER AIR COOLED INDOOR MODEL

nb 20': 1	nb 40': 0	Poids: 2500KG	Volume: 20m3	nbColis: 1	nbVehicule: 0
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NUMERO	TYPE	PLOMB	CHARGEMENT
FCU4026128	Sec 20	G6677260	FCL/FCL

Submission Date / Date de Soumission: 12/09/19

Validation Date / Date de Validation: 13/09/19

Pour le COC TCHAD / Validé et approuvé par le CNCC:

Created By: Enblh Par

Validate By: FCNCC_L204 Validé Par



Extra Charges / Frais supplémentaires: 2002 USD

Marine Insurance: 50 USD / Assurance Maritime:

The COC TCHAD Checked and approved by CNCC



CERTIFICATE No.: F530101/CBE/C003388

SGS India Private Limited, 4th Floor, 150/1 Anandji Road, Coimbatore - 641 010, Tel: (91 422) 221244/221245 Fax: (91 422) 221241

CERTIFICATE OF INSPECTION

Ref. / Job Order No: IN/CBE/IND/201900242/1 DATE: 06.10.2019 Page 1 of 2

At the request of M/s. Beta Power Controls, Coimbatore, we have carried out the inspection of said materials given below:

IMPORTER:	JAZZAH FACTORY FOR ALUMINIUM PRODUCTION P.O. Box 28136 Riyadh 11437 Tel: 011 2428735 FAX: 011 2428342
EXPORTER:	BETA POWER CONTROLS 43/95 Boodipalayam, Coimbatore Pin-641105, TamilNadu, India, Tel: 0422-6457305.
DOCUMENT REF:	Proforma Invoice: BETA7489/15-16 Dt: 02.09.2019. LIC No.: 18MLC4880023/ Dt: 13.09.2019
DATE & PLACE OF INSPECTION:	01.10.2019 At M/s. Beta Power Controls, Coimbatore.
SCOPE OF INSPECTION:	Visual inspection, Dimension check, BOM check, Functional operation test, IR test and High voltage test. Review of Test Report APacking/Marking verification.
DESCRIPTION OF GOODS & QUANTITY INSPECTED:	Servo Controlled Voltage Stabilizer Capacity 100KW (125KA) Quantity-2 No's Model BPC 125 220V/110V/230V. As per the Proforma Invoice: BETA7489/15-16 Dt: 02.09.2019. Serial No: 5400 & 5401.
INSPECTION:	Total No of package 2 wooden box: 1. Visual inspection for Workmanship, finish, Neatness. 2. Dimension checks as per manufactures drawing. 3. Bill of Material checks as per manufactures offer BOM list. 4. Functional operation test (C/OAD test) witness. 5. IR test and High voltage test witness. 6. Review of raw material test certificates. 7. Packing and Marking verification.
PACKING:	Stabilizer were wrapped with bubble sheet and kept into the wooden box and Nailed properly. stabilizer bottom wheel movements were arrested with proper Wooden plank support.

Regd. & Corporate Office:
SGS House, 4B, 4th Floor, Bhandarkar Marg, 1/1st Fl, Mumbai 400001, India. www.sgs.com

SGSPAPER
15101095


UGANDA NATIONAL BUREAU OF STANDARDS


PRE-EXPORT VERIFICATION OF CONFORMITY (PVoC)		CERTIFICATE OF CONFORMITY	
Reference No.: S-2021/10163	Coc No: S-2021/093/10126	Page 1/2	
Issuance Date: 17.08.2021			
Importer (Name, Address, Telephone, Fax, Email): BAKHRESA GRAIN MILLING (U) LTD PO BOX 22844 Kampala - Uganda	Exporter (Name, Address, Telephone, Fax, Email): BETA POWER CONTROLS 45/935 SOCPALAYAM Soora palayam village 641105 - Coimbatore - India		
Phone #: 256757766027 Fax #:	Phone #: 3022367444 Fax #:		
Email: Muralibobbar1@gmail.com	Email: betapower@comcast.com		
Bin Code: 100026753			
Shipment Mode: (Air/Rail/Road/Sea): Sea	Port of Destination: Kampala	Country of Supply: India	
FOB value: 18904 USD	Invoice No.: BETA EXP 33V 21 - 22	Invoice Date: 09.08.2021	
RFI Date: 07.08.2021	Inspection Date: 12.08.2021	CoC Issuance Date: 17.08.2021	
Seal #: N/A	Quantity Delivered (Total/Partial): TOTAL		
Declared HS Code:	Quantity/Unit:	Product:	Route Used:
8544000	1 Numbers	SUPPLY OF BETA POWER MAKE 100KW (125KA) SERVO STABILIZER AIR COOLED INDOOR MODEL WITH CUT OFF AND INCLUDING OIL, Part No: V5366	A
8544000	2 Numbers	SUPPLY OF BETA POWER MAKE 300KW (375KA) SERVO STABILIZER AIR COOLED INDOOR MODEL WITH CUT OFF AND INCLUDING OIL, Part No: V5366	A
Remarks: Test Report No: 4224 Date: 08.09.2021 Test Report No: 4225 Date: 08.09.2021 Test Report No: 2276 Date: 09.09.2021 COC No: 1997/2019 Certificate valid until: 22.03.2022 Inspection Date: 12.08.2021 Total Declared Gross Weight: 5100kg PORT OF DISCHARGE: KUMBASA KENYA IN TRANSIT TO KAMPALA UGANDA Signed: SANDER DESHMUKH Date of inspection: 12.09.2021 Place of inspection: Coimbatore - India Provided and authenticated by SGS UGANDA LIMITED on Date: 17.08.2021 Authorized Office: SGS INDIA PVT. LTD. - TFS - MUMBAI - India			




We would be happy to receive your feedback on the SGS Government and Institutions Services (GIS), which you can do by completing the following on-line client feedback form: <http://www.clientfeedback.com/feedback/SGS/15-072015-4884-0801-40207601/001>


UGANDA NATIONAL BUREAU OF STANDARDS


PRE-EXPORT VERIFICATION OF CONFORMITY (PVoC)		CERTIFICATE OF CONFORMITY	
Reference No.: S-2021/10163	Coc No: S-2021/093/10126	Page 2/2	
Issuance Date: 17.08.2021			
Remarks: This certificate is issued under the authority of the Pre-Export Verification of Conformity Programme for and on behalf of the Uganda National Bureau of Standards, UGANDA. This certificate is issued according to the requirements of UPR03 (Agenda National Bureau of Standards) and is subject to the terms and conditions of the Product Conformity Assessment Scheme which can be found at http://www.ugandastandards.gov.ug . The SGS General Conditions of Service printed on the back of this certificate are not applicable. This document does not discharge exporters from their contractual obligations in relation to quality the quality of the goods referred to herein nor does it discharge the exporter or the Inspector from exercising all their rights and discharging all their liabilities under the Contract of Sale. Disputations to the contrary are not binding on SGS. This document does not evidence shipment. This document is valid for a period of 3 months from the date of issuance. UN09 may reject the consignment covered by this CoC if found to be non-conforming on verification of the product entry.			




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Certificate of Registration

This is to certify that compliance of Quality Management System of

BETA POWER CONTROLS

**No : 4/305, Bodipalayam (PO), Near Chennai Automation, Madhukarai Via,
Coimbatore - 641 105, Tamilnadu, India.**

Has been successfully assessed and conforms to the requirements of

ISO 9001:2015

Scope of Certification

**Manufacturing & Exports of Servo Voltage Stabilizer ,
Isolation Transformers, Frequency Converter, Phase Converter,
Variable Auto Transformer, Online ups & Solar Energy Systems.
IAF/EA Code: 19**

Certificate No : TVEIQ0530017

Re Issue Date : 21.03.2019

Issue Date : 23.03.2016

Expiry Date : 22.03.2022



ACCREDITED
Management
Systems
Certification Body
MSCB - 129

Surveillance Audit 1 Due : 21.03.2020

Surveillance Audit 2 Due : 21.03.2021

TVE Certification Services Pvt. Ltd

Admin Office: 21/26B Kamarajar Street, K.K.Nagar, Trichy - 620 021, Tamilnadu, India

For current validity of the certificate, visit www.tvecert.org




Executive Director

LEADERSHIP



Mr. Balkrishnan Sethuram
(Chief Executive Officer)



Mr. Senthil kumaran
(Executive officer)



Mr. Durairaj V
(Manager)



Mr. Vinoth Babu
(R&d)



Mr. Thaiyappan
(Electronic scientist)



Mr. Vijayakumar
(Sr. Advisor – Distribution
/Transmission)



OUR EMPLOYEES

PRODUCTION ENGINEERS

17

SERVICE ENGINEERS

08

SALES & MARKETING

04

ACCOUNTS & ADMINISTRATION

06

Methodology

From Concept to Completion & Whole Lifecycle Management

OWNER'S ENGINEER



Maximizing ROI with Highest Yields

Detailed Engineering for cost Optimization

Protect Owner's Interest

Contractor and Vendor Independent

Highest Quality in Project Construction

PROJECT INVESTOR/OWNER

PROJECT MANAGEMENT CONSULTANT

Detailed Engineering & Expert Cost Estimation

Technical Contracts Review

Project Optimization for highest PAT

Construction Management

On Time Commissioning



PROJECT DEVELOPER/EPC CONTRACTOR

LIFECYCLE MANAGEMENT CONSULTANT



Expert Analytics & Execution team for O&M

Asset Management Services

Plant Health Management

Bridge the Gap between Buyer & Seller

PV Forecasting Services

PROJECT INVESTOR/DEVELOPER

LENDOR'S ENGINEER

Bankable DPR Presentation

Reverse IRR estimation for reselling

Analysis of IRR & ROI Calculation

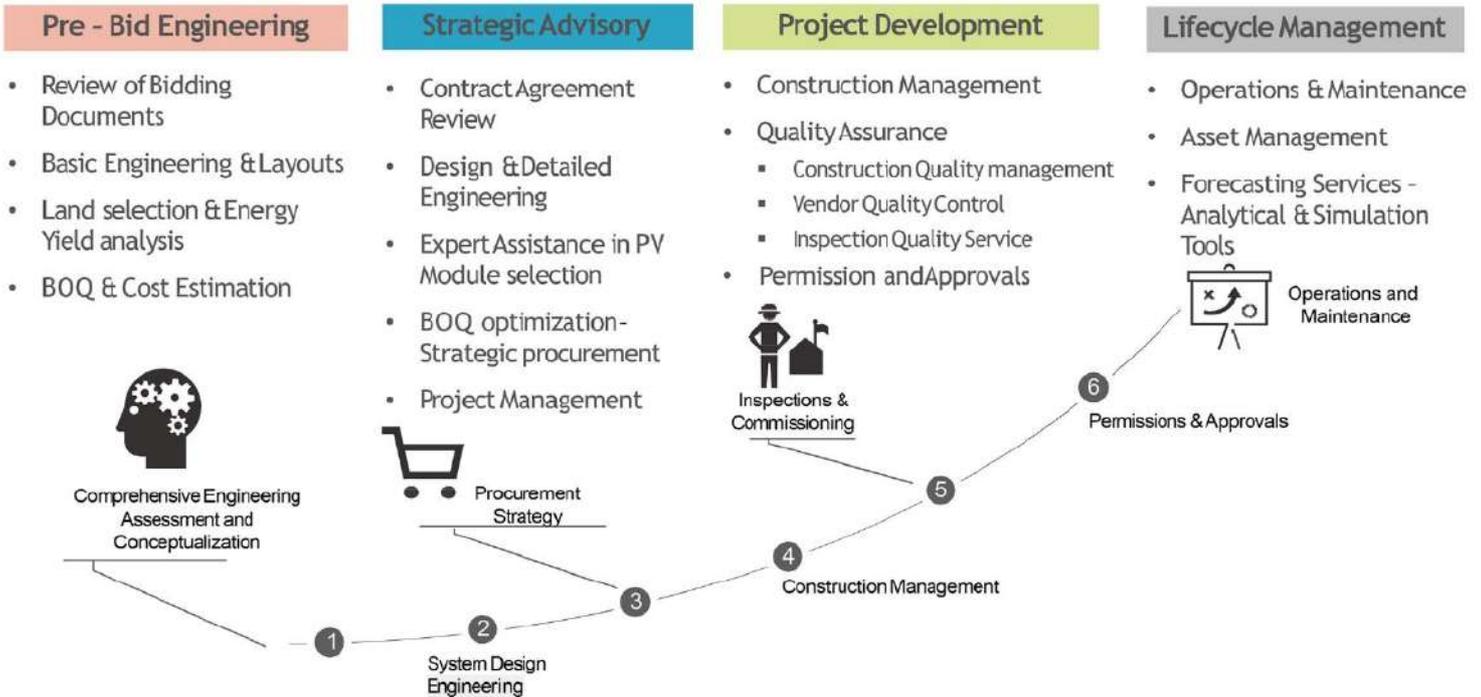
Estimation of Project value

Plant Health Study



PROJECT INVESTOR/BANKS

Services offered



Scope of Services- In a Nutshell

From Concept to Completion & Whole Lifecycle Management

Procurement Strategy

- Estimation of Bill of Quantity (BOQ)
- Vendor selection assistance
- RFP & Review
- Validation of equipment cost & Negotiation
- Preparation of detailed BOQ

Construction Management

- Contractor Selection
- Supervise & Reporting
- Establish communication procedures
- Implementation Schedule & Periodical Review
- Quality control plans & Procedures
- Testing & Commissioning
- Project Handover

Operations & Maintenance

- Maintenance and Inspection
- Corrective maintenance
- Remote Monitoring & Control
- PR Maintenance
- Reporting
- Spares Management
- On-Site Security

BETA POWER CONTROLS

ISO 9001-2015 CERTIFIED COMPANY



OUR VALUABLE CUSTOMERS

GLOBAL CUSTOMERS

Customer Name	City	Country	Contact Name
JAZZAH FACTORY ALUMINIUM PRODUCTION	Riyadh	Saudi Arabia	Manu Krishna
AL WADI ALSAFI WATER PURIFICATION	Sharjah	UAE	Sudesh
FINKEN HOLDINGS LTD	Nairobi	Kenya	John wanjohi muchemi
ARUTHUR OLUAL	Nairobi	Kenya	Aruthur olual
ARAR UTILITY & TRADING WLL	Doha	Qatar	Nirmal kumar
TECHNO GEARS INDUSTRIES L.L.C	Muscut	Oman	Munna
FAMILY BAKERS	Male	Maldives	IZZATH RASHEED
ALMOAYYED AIR CONDITIONING	Manama	Bahrain	Sankar Ganesh
KOTROL TEK LTD	Bridgend	UK	Martin kelly
RESPACK POLYFILM SDN BHD	KEDAH	Malaysia	CK Wan
SMH RAIL SDN. BHD.	Kuala lumpur	Malaysia	Jamesh
KAWAS ENGINEERING LLC	Muscut	Oman	Amith
TASK PLASTIC INDUSTRY PLC	Djibouti	Ethiopia	Reji Abraham
INTACT CONTROL TRANSFORMER LLC	Dubai	UAE	Sangeetha
ISA SARAL	Lubambashi	RD Congo	Suresh
UNITED BUSINESS COMPANY LLC	Jeddah	Saudi Arabia	Rajeeve
PLQ CONTRACTING LLC	Dubai	UAE	Nirmal
JOAO MANUEL SEQUNDA	Luanda	Angola	Joao manuel sequnda
ATLAS AL SHARRQ TRADING EST	Dubai	UAE	Mohammed saleh Ali
POWER LINKS CONTRACTING W. L .L	Tubli	Bahrain	SANKAR
E K PARTNERS LLC	Sharjah	UAE	IMohammed
ALIF TRADING CO	Doha	Qatar	Yasir Sherrif
GEODIS PROJECTS CAMEROON	Douala	Cameroon	Kadidja
UNITED HYDROCARBON CHAD LIMITED	Djamena	Chad	Harikumar
DELONEX ENERGY UK LIMITED	London	UK	Edna Freitas
JAGDAMBA STEELS PVT LTD	Kathmandu	Nepal	Promod rauniyar
SIMONES NEPAL PVT.LTD	Kathmandu	Nepal	Krishna
TANELEC ZAMBIA LIMITED	Ndola	Zambia	Nyaude Bada
MODERN UNION PAPER PRODUCTS	Dubai	UAE	Alphonse paul
FIRST POINT PRINTING EQUIPMENTS	Sharjah	UAE	Ram
UNIQUE ELECTRICALS PTE LTD	Singapore	Singapore	Suresh
RT KNITS	Upper vale	Mauritius	Shameem Russool

GLOBAL CUSTOMERS

Customer Name	City	Country	Contact Name
SUMO CONSTRUCCION & ENGINEERING PVT LTD.	Kathmandu	Nepal	Mr.Sandip
DEYA ELEVATOR SERVICE INC	Guayanabo	Puerto Rico	Ms.Angel
CUSTOMER DELIGHT TRADING	Abu Dhabi	UAE	Mario Pontes
PT CATUR HARAPAN	BATAM	Indonesia	Paneer
ACCOLADE CONSULTANCY AND ENGG	The Adelphi	Singapore	
CREET INTERNATIONAL CONTRACTING COMPANY LTD	Riyadh	Saudi Arabia	Ayman
BAKHRESA GRAIN MILLING (U) LTD	Kampala	Uganda	Pursothaman
SULTAN CO FOR PLASTIC INDUSTRIES	Tripoli	Libya	Eng. Mohammad
La corne d'abondance	Versailles	France	Daniel Tonini
La maison d'Asie	Toulouse	France	Annette Roulet
Laughing Bacchus Wine Cellars	Vancouver	Canada	Yoshi Tannamuri
Lazy K Kountry Store	Walla Walla	USA	John Steel
Lehmans Marktstand	Frankfurt a.M.	Germany	Renate Messner
Let's Stop N Shop	San Francisco	USA	Jaime Yorres
LILA-Supermercado	Barquisimeto	Venezuela	Carlos González
LINO-Delicatesses	I. de Margarita	Venezuela	Felipe Izquierdo
Lonesome Pine Restaurant	Portland	USA	Fran Wilson
Magazzini Alimentari Riuniti	Bergamo	Italy	Giovanni Rovelli
Maison Dewey	Bruxelles	Belgium	Catherine Dewey
Mère Paillarde	Montréal	Canada	Jean Fresnière
Morgenstern Gesundkost	Leipzig	Germany	Alexander Feuer
North/South	London	UK	Simon Crowther
Océano Atlántico Ltda.	Buenos Aires	Argentina	Yvonne Moncada
Old World Delicatessen	Anchorage	USA	Rene Phillips
Ottilies Käseladen	Köln	Germany	Henriette Pfalzheim

1A) QUALITY ASSURANCE

- All bought out components sourced from reputed manufacturer and supplier as per standards.
- 100 % Raw materials inspection s per internal Quality Plan.
- Individual assemblies and sub-assemblies tested separately.
- All Electronics PCB's are tested at 60 oC in oven.
- Final Equipment's are tested for 24 hours with continuous voltage variation from min. to max.

INSTRUMENTS USED FOR TESTING	SR NO
Analog Insulation Meter	MG-01
High Voltage Tester	HV-01
Power Analyzer	PA-01
Digital Clamp Meter	DCM-02
Infrared Thermometer	TG-01

1b) Testing of Procedure

FACTORY TEST is 9815: 1994, Part I indicates the various routine tests to be conducted on the stabilizer before dispatch from the factory. The brief description of these tests are as below:

INSULATION TEST: The insulation between the terminals and body of the stabilizer shall not be less than 5 MΩ when measured with a 500 V megger at the ambient not exceeding 45 °C.

HIGH VOLTAGE TEST: 2.5kV(RMS) test voltage shall be applied at the rated frequency for one minute between the windings and the body of the stabilizer after connecting the body of the stabilizer to the earth. There shall not be any disruptive discharge or collapse of test voltage during this test.

OUTPUT VOLTAGE TEST: The output voltage shall be for different input voltages from no load and min Load 10A. the test can be limited to no load if it is not feasible to load actually. The output voltage by this test shall not differ by more than 2 % of the designated rated voltage.

NO LOAD CURRENT TEST: The no load current shall not exceed 5% of the rated full load output current.

LOAD TEST: This test shall be conducted similar to the test to the transformer. The total losses shall not be more than 10 % for capacities up to 5 kVA and 5 % for higher capacities. 

INDUCED VOLTAGE TEST: This test conducted to test the insulation of winding by applying AC voltage equal to output voltage of frequency not less than twice the rated frequency at the output terminal of the windings for periods not less than 15 seconds. After this test there shall not be any appreciable differences in the no load current with reference to the no load current at normal frequency.

TEST FOR CONTINUOUS OPERATION(JIGTEST):By this test the stabilizer is subjected to the continuous run for 24 hours at no load while the input voltage is automatically varied from minimum to the maximum of the designated input voltage and back to the minimum in not more than one minute. After this test the stabilizer shall pass the output voltage test.

TEMPERATURE RISE TEST: This test is similar to the temperature rises to transformer and is done under actual plant condition.

SERVO VOLTAGE STABILIZER

WORKING OF SERVO VOLTAGE STABILIZER

Servo voltage stabilizers work on servo mechanism which is negative feedback used to generate control over voltage fluctuations. In servo voltage stabilizers, there is a boost/buck transformer component which is primarily used to regulate & control the input voltage.

ADVANTAGES OF SERVO VOLTAGE STABILIZER

- It can support load capacity up to 5000 KVA and more
- Great voltage accuracy with +/- voltage correction
- Wide utility area like from home to school, industries and offices
- Available in both Air-cooled and oil cooled transformers
- Affordable and fit in the budget
- Fast and accurate
- No maintains cost
- Highly efficient
- Higher durability and great reliability



TECHNICAL SPECIFICATION

Characteristics	Single phase	Three phase
Capacity	1kva-50KVA	3kva-5000KVA
	197v- 277v	360v-460v
Input voltage	170v-270v	340v-480v
	140v-270v	295v-470v
	110v-270v	240v-460v
	90v-270v	190v-460v
	Other Range also available as per customer requirements	
Output voltage	220v/230v +/- 1% (Adjustable)	380v/400v/415v +/-1%(Adjustable)
	1 Phase + Neutral, Ground	3 Phase + Neutral, Ground
Frequency	50/60HZ	
Correction speed	20v/sec , 70v/sec , 110v/sec (As Required)	
Response time	Less then 10 milliseconds	
Correction method	Step less correction using variac (Microprocessor Based control system for measurement and correction)	
Waveform Distortion	Nil	
Effect of power factor	Nil	
Efficiency	98% As per IS standards	
Type of cooling	Nature Air cooled /Forced air cooled/Oil cooled	
Duty cycle	Continuous 24 hrs 100%	
No load losses	0.5% from the rated capacity/ As per Is standards	
Operation mode	Auto /Manual	
Suitability	Suitable for 3phase,4wire Unbalanced Voltage & Unbalanced/balanced load all power factors	
Operating Temperature	0 to 55	
Humidity	0 to 95% RH Max ,Noncondensing at 35	
Noise Level	<65dB For 1meter	
High voltage Test	Can withstand 2.5kV for 5 seconds	
System construction	As per IS : 9815 & ISO 2015	
Degree of protection	Ip21 - IP 55 (As Required) & Epoxy Powder coated (7 Tank processes)	
Insulation	Class- B /Class- H / Class – F (As Required)	
MCB / MCCB	Short circuit Protection	
BYPASS	Inbuilt in up to 300KVA above 300kva optional (Change over Switch to bypass the stabilizer and use main voltage directly)	
CONTACTOR	Over load ,Under /Over voltage cut – Off Protection Through contactors	
Log book memory	History of error logs	
Input /Output Terminations	DIN Connectors up to 75Kva Above 75kva Busbar Connection	
Monitoring facility	DIGITAL MICROPROCESSOR LCD DISPLAY FOR	
	A. Input Voltage - Phase to Neutral & Phase to Phase B. Output Voltage – Phase to Neutral & Phase to Phase C. Load Current in Three Phase	D. Frequency E. Earth Neutral Voltage F. Fault annunciation



Optional Features and Protections

1. Low voltage cut-Off & Alarm
2. High voltage cut-Off & Alar
3. Over Load Cut-Off & Alarm
4. Single Phase Prevention Cut-Off & Alarm
5. Reverse Phase Cut-Off & Alarm
6. Neutral Trip
7. Auto Phase Correction in case of Phase Reversal
8. Short Circuit Protection for Input MCB/MCCB/ACP
9. Surge & spike Protection.
10. Stabilizer Bypass System
11. Delay on Circuits
12. Auto / manual operation

STATIC STABILIZER

Why Static Voltage Stabilizers?

- Super quick response time of 50 microseconds
- Fast regulation speed of 2500 volt/sec (minimum)
- Continuous supply of highly stable output voltage
- Independent phase correction and capable to handle unbalanced 3-phase input without any trouble
- Built in protections against: over / under voltage, phase reversal, single phasing, over load, over temperature & short circuit
- Zero maintenance cost because of no mechanical or moving parts.
- Completely noiseless operation
- Lowest foot print (less space needed)
- Compatible for all kinds of loads
- >99.8% efficiency
- Greatly improves power quality and reduces electricity consumption at site of installation



TECHNOLOGY

- **IGBT based converter technology for continuous voltage regulation**
- **Converter not connected in the load path, correction voltage injected through transformer**
- **Modular design allows independent regulation of each phase**
- **Dual voltage tracking for the most accurate and fastest possible voltage regulation**
- **Internal current tracking to detect overload quickly**
- **Allows bi-directional power flow to realize full scale sag as well as swell correction**
- **Redundant internal bypass is engaged in case of an internal fault and load can be operated directly from grid supply**

ADVANTAGES

IGBT Based Electronic Voltage Regulation

Fast, Accurate & Continuous Voltage Regulation

Effective Isolation from Grid Disturbances and Fluctuations

Efficient Operation of Equipment Increased Productivity

Improved Product Quality, Reduced Rejections.

No Batteries, No Moving Parts.

TECHNICAL SPECIFICATION

Operating Voltage	1F+F (225-470VAC) Standard
Input Voltage Ranges	1F+F (300-450V)Standard
Output Voltage	1F+N 380 VAC +/- %1~3 Standard (400V ve 415V optional)
Control and Process Control	Multi-Microprocessor Control (DSPIC)
Operating Frequency	50 Hz +/-%5 (60 Hz Adjustable)
Efficiency	>%97 (in nominal terms, at full load)
Operating Temperature	-10 C lie + 50 C range (Special cooling unit)
Protection	Pasive and electronic Protection (Overvoltage, under voltage, overcurrent, peak, surge, righ and spike protection)
Display	Graphic LCD Display for each Phase Output Voltage, Output Voltage, Output Current, Load Percentage, Output Frequency, Regulator Status and Fault Information, Overload Warning, Input Fault Warning, Output Fault Warning, etc. information can be monitored.
Communication	Dry Contact (Optional; Ethernet /USB / MODBUS TCP/IP)
Filter	At the entrance of the system there is an electricity noise filtering special filter system and network filters.
By Pass	Manuel by pass (Opsiyonel; Auto By Pass)
Relative humidity	%90 (condensing)
Acoustic Noise	50 dB(A)'less
Protection Class	Ip 20 (Optional; Outdoor Cabinet)
Standards	EN50091-1/EN62040-1(Safety) EN50091-2/EN62040-2 (EMC)

TRANSFORMER

What is an Isolation Transformer?

A transformer is a static electrical device which transfers power from one voltage level to another while keeping the frequency same. And, if the primary and secondary windings are coupled through a common iron core, they are considered as the Isolation Transformer.

The secondary winding, as usual in transformers, is physically and electrically isolated from the primary winding.

There is no literal electrical link between the two windings. They are magnetically coupled, not electrically linked.

This “line isolation” is a very desirable characteristic for various applications. As there is no electrical connection between the load and source, the transformer behaves like a filter between the two windings by segregating them from each other.

The Isolation Transformers significantly block the voltage spikes, switching transients and noise that originate in the supply side from being getting transferred to the load side.

Some isolation transformers are built with a turn ratio of 1:1. Such transformers are exclusively built to have the same input and output voltage and are used for isolation only.

All transformers except autotransformers provide isolation.

When used with a switching power supply, an Isolation Transformer prevents higher-order harmonic signals from degrading the performance of adjoining circuitry.

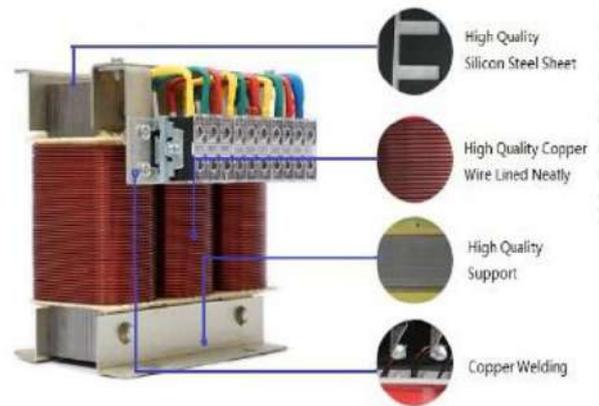
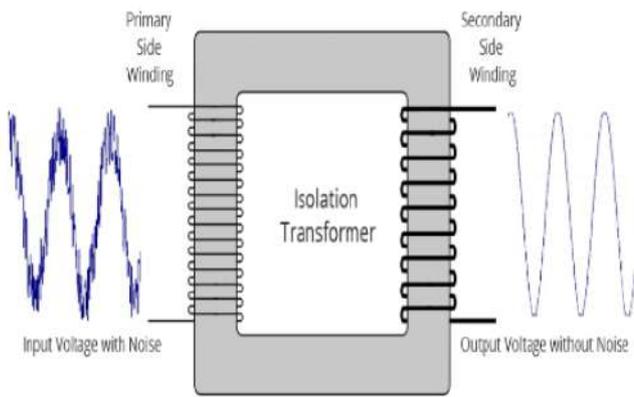
It is especially crucial in computers or other equipment incorporating microprocessors. Improper isolation can cause interference to other functions of the system and can cause excess ripples at the output voltage waveform.

What are the Benefits of Isolation transformers?

The Isolation Transformers have numerous benefits as-

- Protection of the users from the faulty equipment.
- To have safe, reliable and accurate measurements.
- To avoid ground loops.
- To physically isolate/separate some part of an electrical system from the other or rest of the system.
- On drives, they help to filter the electrical noise caused by SCR's

ISOLATION TRANSFORMERS



TECHNICAL SPECIFICATION

INPUT	OUTPUT	RATING AVAILABLE
400V AC 3 PH	400V AC 3 PH	1 KVA TO 2000 KVA
230V AC 1 PH	230V AC 1 PH	1 KVA TO 20 KVA
Or as per requirement		Both Oil & Dry type
System Connections		Delta/star(as per requirement)
Ratios		Delta /Star (as per requirement)
Regulation		5%
Insulation resistance		Better then 5Mega ohm
Coupling capacitance		0.01 PF for 100Db
Leakage current		Less than 20 Micro Amps
Type of Execution		Closed Type
Operating Temperature		0 c to 45 c
Type of Cooling		ONAN/Natural Air/Forced air