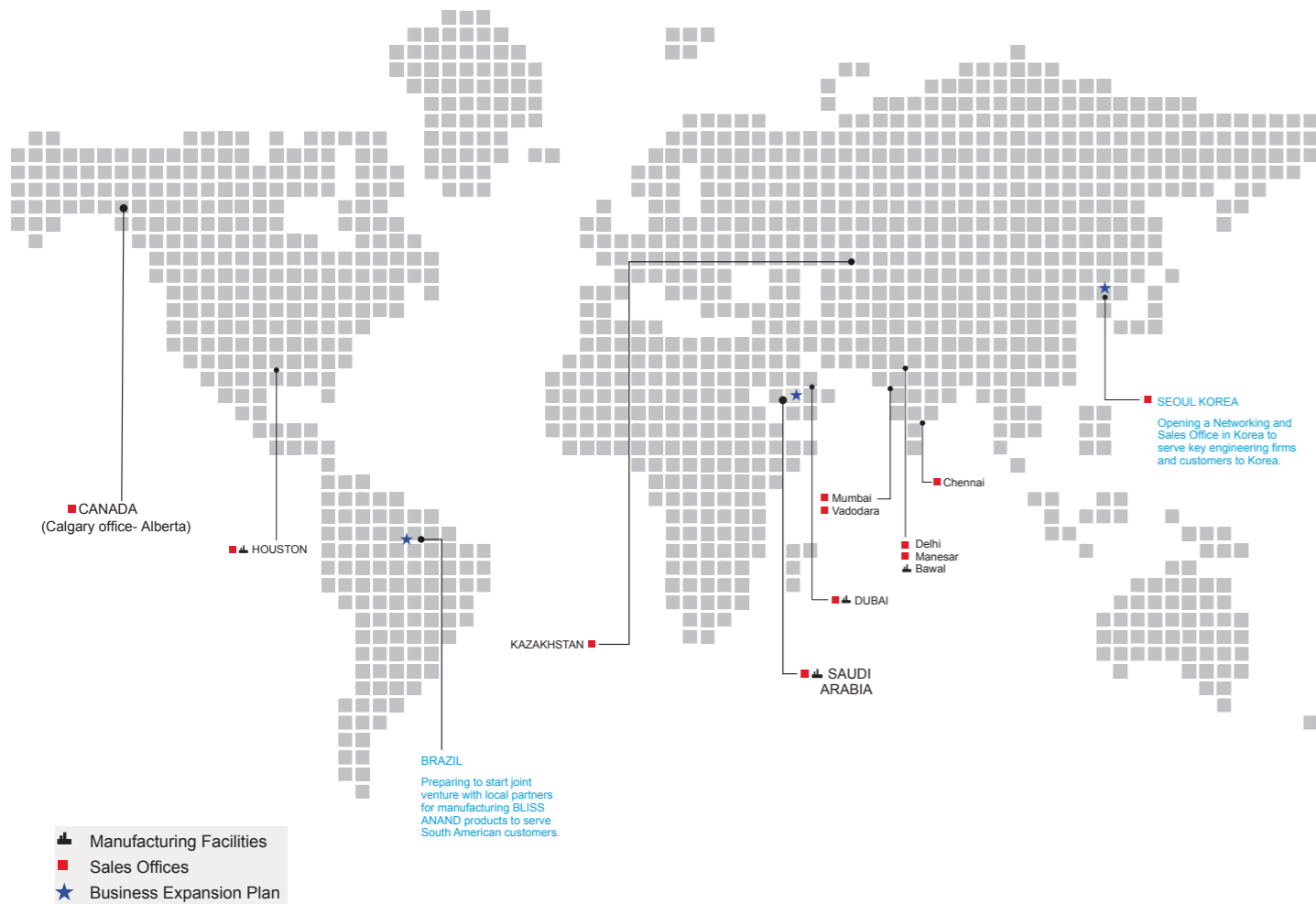




## Global Presence & Business Expansion Plan



## ENERGY EQUIPMENT DIVISION

**BLISS ANAND**



**ASIA**  
 Bliss Anand Pvt. Ltd.  
 Plot No. 240, Sector-3  
 Growth Center, HSIIDC  
 Bawal, Haryana-India  
 Ph: +91 (1284) 269400-99  
 e-mail: sales@blissanand.com

**AMERICAS**  
 Bliss Anand America LLC  
 3400 Awesome Lane, La Porte  
 Texas - 77571, USA  
 Ph: +1 281 479 BLIS (2547)  
 Fax: +1 (281) 542-7000  
 e-mail: sales@blissanandusa.com

**MIDDLE EAST**  
 Global Engg. Solutions FZCO  
 (A100% Subsidiary of Bliss Anand-India)  
 RA 08, FG 01, P.O. Box 18576  
 Jebel Ali Free Zone, Dubai, U.A.E.  
 Ph: +971-4-883 56 33  
 Fax: +971-4-883 56 44  
 e-mail: gages@eim.ae

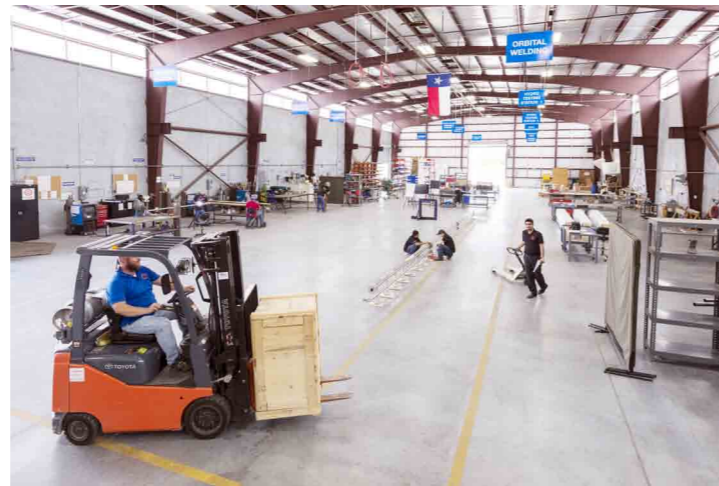
**Corporate Office:** 92B & 93B, Sector-5, IMT Manesar, Gurgaon - 122050, Haryana - India  
 Ph: +91-124-4366000 - 09, Fax: +91-124-2290884, e-mail : sales@blissanand.com

[www.blissanand.com](http://www.blissanand.com)

**ENERGY EQUIPMENT & SYSTEM  
 FOR  
 OIL, GAS & POWER SECTOR**



## ABOUT BLISS ANAND



*'BLISS ANAND' is committed to partner Clean Energy generation, with a focus on customer satisfaction.*

*BLISS ANAND's state of the art manufacturing facilities located in India,UAE and USA, are well equipped with modern manufacturing paraphernalia and expert manpower, to deliver high performance engineered solutions, on time to process and power industries with a touch of professionalism and personal care.*

*Accredited as an ISO 9001:2008,ISO 14001:2004 company, Bliss Anand holds valid certificate of authorization of 'V','S','R' and 'PP' stamps, by ASME.*

*Additional prestigious approval 'Bliss Anand' holds are 'PED (Europe)', 'CRN (Canada)', NB/UV/VR(ASME) and CUTR (Russia).*

*Bliss Anand's core engineering team consisting of qualified engineers and experienced managers are competent to deliver a wide range of products, in line with global quality standards and customer specifications in the energy sector.*

*Bliss Anand is proud to be associated with leading Global business houses in energy sector as an approved vendor for several decades.*

**Bliss Anand - "The Spirit to Walk An Extra Mile"**



Asian Facility, Bawal



Corporate Office



Jebel Ali, Dubai



Houston, USA





## 2/3 PHASE SEPARATOR SYSTEM/SKIDS

2 / 3 Phase Separator effectively separates well effluent into 2 / 3 phases: oil, water and gas, allowing the correct distribution decisions.

### Highlights:

- Primary equipment for Separation of Liquid & Gas (Two Phases) or Oil, Water & Gas(Three Phases) from Oil Well Stream.
- Design & Manufacture as per API 12J.
- Internal Inlet Impingement Baffles, Wave Baffles, Flow Straightening Baffles, Weirs,Mist Eliminators & Vortex Breakers provided for effective separations.
- Designed to allow sufficient retention period.
- Controls & Instrumentation provided to accurately measure the Gas, Oil & Water flow rates, regulate the Pressure and Monitor the levels of Oil, Water in the Separator.
- Automated Liquid (Oil & Water) removal system.
- Designed for either Large Size / Pressure Range or Compact, Skid Mounted System.



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## INDIRECT WATER BATH HEATER

The heater is used to heat fuel gas at power generation plants, compressor stations and well-heads. The gas is heated before its pressure is reduced. Heating fuel gas while it is still at a high pressure keeps ice crystals and hydrates from forming in the lines when its pressure is reduced for combustion. Ice and hydrates can cause major damage to gas-fired turbines and other equipment.

The heater is used to heat crude oil at offshore platforms and refineries. The oil is heated to reduce its viscosity so it can be easily pumped.

### Highlights:

- Designed in full compliance with API 12K specifications.
- Natural Draft Burners, directly mounted on Fire Tube & Forced Draft Burners.
- Precise temperature control.
- Removable Single or Twin Fire Tube Design.
- Removable Heating Coil for ease of maintenance.
- Burners System complete with Pilot, Main Burner, Gas Train, Spark Igniter with Transformer.
- Flame Arrestors at Burners Air Intake and Stack Top.
- Heating capacity upto 5 Million K.Cal/Hr.



6



## GAS CONDITIONING REGULATING & METERING SYSTEM

The skid is designed as per applicable international quality norms to condition, regulate & transmit the gas as per the process requirement.

### Highlights:

- Ensures supply of Dry and Dust Free Gas.
- Comprises of 1 × 100% Knockout Drum & 2 × 100% Filter Separators together with Indirect Water Bath Heater (as per service requirement) complete with Inter connecting Piping, Valves, Instrumentations, Electrical and PLC based Control Panels for unattended & smooth operation.
- Separation and Removal of Liquid from the Gas Stream.
- Compact, well-engineered skid mounted layout to facilitate easy access to all Valves,
- Instruments & Filter Elements.
- Condensate Tanks & Vent Stack also provided.
- Stainless Steel piping used downstream of Filter Separation System to ensure contamination free pure gas.



## CHEMICAL INJECTION SKID

The Chemical Injection Systems are mainly used to inject a precise and accurate amount of chemical into the system with the required back pressure, continuously or at intervals.

Applications cover a spectrum of typical process requirements such as:

- Asset Integrity: Biocides, Corrosion Inhibitors, Scale Inhibitors, Oxygen Scavengers.
- Flow Assurance: Hydrate Inhibitors, Emulsion Breakers, Foam Control and Drag Reduction.
- Refinery: Corrosion Control, Fouling Control and Fuel additives etc.

### Highlights:

- We specialize in Design and Fabrication of Transportable/Permanent, Skid Mounted Chemical Injection Systems.
- These systems are built to customer requirement and in accordance with international design codes/standards.
- Pump selection, material of construction compatibility with chemical.
- Use of proven system component, 3D modality to check case of operation and maintenance etc.
- Single point or multipoint Injection Systems.
- Discharge rates from 0.1 to 300 LPH and discharge pressures from 0.1 to 10,000 psi.





## FILTER SEPARATORS / DRY GAS FILTERS

Horizontal or Vertical Dry Gas Filters (HDGF or VDGF), are multistage devices that remove dust and other solids from gas and air, where no liquids are expected.

### Highlights:

- Removes liquid / solid particles down to 1 micron with 99.9% efficiency.
- Horizontal / Vertical design.
- High performance, proven make, coalescing type glass fiber elements used in primary section.
- Secondary section provided with efficient impingement separators or misteliminators to remove coalesced liquid.
- Compact, well-engineered skid mounted layout to facilitate easy access to all Valves, Instruments & Filter Elements.
- In horizontal filter separator down comers from primary and secondary sections pass liquid to sump to prevent re-entry.
- Large liquid collection in volumes.
- Equipment provided with Quick Opening Closures for quick access to filter elements.
- Provision for automated liquid level monitoring & liquid removal.



## HEATER TREATER

This equipment provides a safe, predictable convective heat transfer environment for your sensitive process fluids. This provide an even heat transfer avoiding hot spots and in turn avoiding thermo degradation and/or scaling of process fluid. The requirement of heating of various medias is achieved with this equipment.

### Highlights:

- Adequately designed for both vertical & horizontal installation.
- Direct type & Indirect Type
- Custom built to suit the process requirement and the client need.
- Designed & Manufactured as per international quality norms.
- Light weight insulation reduces loading weight.
- Resistance to mechanical & thermal shocks.
- Faster start-up & cool down period.
- Low installation Cost, the heater with all instruments & controls can be skid mounted for simple, economical installation & relocation.





# HYDROCARBON STORAGE TANK

Crude oil untreated and unrefined are stored in tanks for shipment to other locations or processing into finished products. These tanks are specifically designed to prevent leaks of hazardous liquids/gases.

### Highlights:

- Design, engineering, procurement and fabrication of above the ground steel storage tanks with complete in-house design facility for floating, cone & dome roof tanks as per API 650.
- Supply includes tank protection systems like fire protection, rim seal fire protection and cathodic protection systems.
- Procurement & supply of tank accessories like flame arrestors, side entry mixers, radar gauges, level instruments, heating coils & other instruments as per engineering requirement.
- Technical support & assistance provided by trained personnel during erection & commissioning.



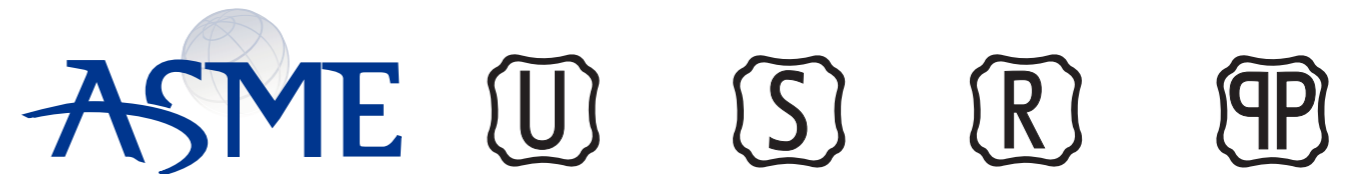
## DESIGN, ENGINEERING, MANUFACTURING AND SUPPLY OF THE FOLLOWING

- |   |   |
|---|---|
| • Gas Dehydration Units                                     | • Slug Catchers                           |
| • Gas Sweetening Plants                                     | • Chemical Injection System               |
| • Gas Collection and Gathering Systems                      | • Fuel gas conditioning & Metering Skid   |
| • Indirect Water Bath Heater                                | • Fuel and Lube Oil Treatment System      |
| • Two/Three phase Separators, Scrubbers and Knock out drums | • API Storage Tanks of Tank Farm Projects |
| • Vertical/Horizontal Emulsion Treaters                     | • Gas Compression                         |

# APPROVALS




# CERTIFICATIONS



Other Certification: PED | ISO 14001 : 2004 | ISO 9001 : 2008



# CERTIFICATIONS



## CERTIFICATE OF AUTHORIZATION

The named company is authorized by the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the certification mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this certification mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.


COMPANY: **Bliss Anand Pvt. Limited**  
SRV Division  
Plot #240, Sector -3, Growth Center,  
HSIIDC  
Bawal, Haryana 123501  
India

SCOPE:  
Manufacture of pressure vessel pressure relief valves at the above location only

AUTHORIZED: June 6, 2014  
EXPIRES: March 16, 2017  
CERTIFICATE NUMBER: 38,468


*Benjamin A. Fisher*  
Vice President, Conformity Assessment

*Joseph J. Lisciani*  
Director, Conformity Assessment



## THE NATIONAL BOARD OF BOILER & PRESSURE VESSEL INSPECTORS

### Certificate of Authorization



**This is to certify that**  
**Bliss Anand Private Limited**  
Nameplate Abbrev.: BAPL  
Plot #240, Sector-3, Growth Center  
HSIIDC, Bawal-123501, Haryana,  
India

**is authorized to use the VALVE REPAIR SYMBOL in accordance with the applicable rules of the National Board.**

**The scope of Authorization is limited as follows:**


<b>Location:</b>	<b>VR Special Process:</b>
Shop & field controlled by above location	machining

**ASME Code Section:** VIII  
**Test Media:** Air/Gas & Liquid

"VR" CERTIFICATE NUMBER: 1051

ISSUE DATE: June 3, 2014  
EXPIRATION: May 29, 2017

Executive Director *Paul A. ...*



## ABS Quality Evaluations

### Certificate Of Conformance

This is to certify that the Quality Management System of:

**Bliss Anand Private Limited**  
92B & 93B, Sector - 5  
IMT Manesar, HSIIDC  
Gurgaon, Haryana 122 050  
India

(WITH ADDITIONAL FACILITIES LISTED ON ATTACHED ANNEX)  
has been assessed by ABS Quality Evaluations, Inc. and found to be in conformance with the requirements set forth by:  
**ISO 9001:2008**  
The Quality Management System is applicable to:

**DESIGN, MANUFACTURE AND SUPPLY OF MAGNETIC LEVEL GAUGES, GLASS LEVEL GAUGES, LEVEL SWITCHES, LEVEL TRANSMITTERS, SIGHT GLASSES, DIAPHRAGM SEALS, CHAMBERS & OTHER FIELD INSTRUMENTATION**

This certificate may be found on the ABS QE Website ([www.abs-qe.com](http://www.abs-qe.com)). For certificates issued in the People's Republic of China information may also be verified on the CNCA website ([www.cnca.gov.cn](http://www.cnca.gov.cn)).

Certificate No:	47229
Original Certification Date:	20 March 2012
Effective Date:	23 June 2015
Expiration Date:	19 March 2018
Revision Date:	24 June 2015

*Alex Weisselberg*  
Alex Weisselberg, President




Validity of this certificate is based on the periodic audits of the management system defined by the above scope and is contingent upon prompt, written notification to ABS Quality Evaluations, Inc. of significant changes to the management system or components thereof.  
ABS Quality Evaluations, Inc. 16855 Northchase Drive, Houston, TX 77060, U.S.A.  
Validity of this certificate may be confirmed at [www.abs-qe.com/cert\\_validation](http://www.abs-qe.com/cert_validation).

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Page 1 of 2

## THE NATIONAL BOARD OF BOILER & PRESSURE VESSEL INSPECTORS

### Certificate of Authorization




**This is to certify that**  
**Global Engg. Solutions Fzco. (A Bliss Anand-India Group Company)**  
Nameplate Abbrev.: GES  
FG-01, RA-08  
Jebel Ali Free Zone  
Dubai, PO Box 18576,  
UNITED ARAB EMIRATES

**is authorized to apply the "NB" mark to specified PRESSURE RELIEF DEVICES in accordance with the provisions of the National Board. The scope of Authorization is limited to National Board Certified devices which have been manufactured, assembled and stamped with the following construction codes:**

ASME Section VIII, Division 1: "UV" Stamp

REVISION DATE: June 19, 2014  
ISSUE DATE: May 13, 2014  
EXPIRATION: May 5, 2017

Executive Director *Paul A. ...*



## ABS Quality Evaluations

### Certificate Of Conformance

This is to certify that the Environment Management System of:

**Bliss Anand America LLC**  
3400, Awesome Lane  
La Porte, TX 77571  
U.S.A.

has been assessed by ABS Quality Evaluations, Inc. and found to be in conformance with the requirements set forth by:  
**ISO 14001:2004**  
The Environment Management System is applicable to:

**MANUFACTURER OF FIELD INSTRUMENTS FOR PROCESS AND POWER INDUSTRIES INCLUDING SIGHT GLASSES, MAGNETIC LEVEL GAUGES AND MAGNETOSTRICTIVE TRANSMITTERS.**

This certificate may be found on the ABS QE Website ([www.abs-qe.com](http://www.abs-qe.com)). For certificates issued in the People's Republic of China information may also be verified on the CNCA website ([www.cnca.gov.cn](http://www.cnca.gov.cn)).

Certificate No:	52282
Effective Date:	23 July 2015
Expiration Date:	22 July 2018
Revision Date:	24 July 2015

*Alex Weisselberg*  
Alex Weisselberg, President



Validity of this certificate is based on the periodic audits of the management system defined by the above scope and is contingent upon prompt, written notification to ABS Quality Evaluations, Inc. of significant changes to the management system or components thereof.  
ABS Quality Evaluations, Inc. 16855 Northchase Drive, Houston, TX 77060, U.S.A.  
Validity of this certificate may be confirmed at [www.abs-qe.com/cert\\_validation](http://www.abs-qe.com/cert_validation).

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## ABS Quality Evaluations

### Certificate Of Conformance

This is to certify that the Health and Safety Management System of:

**Bliss Anand America LLC**  
3400, Awesome Lane  
La Porte, TX 77571  
U.S.A.

has been assessed by ABS Quality Evaluations, Inc. and found to be in conformance with the requirements set forth by:  
**OHSAS 18001:2007**  
The Health and Safety Management System is applicable to:

**MANUFACTURER OF FIELD INSTRUMENTS FOR PROCESS AND POWER INDUSTRIES INCLUDING SIGHT GLASSES, MAGNETIC LEVEL GAUGES AND MAGNETOSTRICTIVE TRANSMITTERS.**

This certificate may be found on the ABS QE Website ([www.abs-qe.com](http://www.abs-qe.com)). For certificates issued in the People's Republic of China information may also be verified on the CNCA website ([www.cnca.gov.cn](http://www.cnca.gov.cn)).


Certificate No:	52283
Effective Date:	23 July 2015
Expiration Date:	22 July 2018
Revision Date:	24 July 2015

*Alex Weisselberg*  
Alex Weisselberg, President



Validity of this certificate is based on the periodic audits of the management system defined by the above scope and is contingent upon prompt, written notification to ABS Quality Evaluations, Inc. of significant changes to the management system or components thereof.  
ABS Quality Evaluations, Inc. 16855 Northchase Drive, Houston, TX 77060, U.S.A.  
Validity of this certificate may be confirmed at [www.abs-qe.com/cert\\_validation](http://www.abs-qe.com/cert_validation).

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## CERTIFICATE OF AUTHORIZATION

The named company is authorized by the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the certification mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this certification mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.



COMPANY: **Bliss Anand America, LLC**  
3400 Awesome Lane  
La Porte, Texas 77571

SCOPE:  
Manufacture of pressure vessels at the above location only

AUTHORIZED: June 16, 2015  
EXPIRES: June 16, 2018  
CERTIFICATE NUMBER: 51,014

*Benjamin A. Fisher*  
Vice President, Conformity Assessment

*Joseph J. Lisciani*  
Director, Conformity Assessment

## CERTIFICATE OF AUTHORIZATION

The named company is authorized by the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the certification mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this certification mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY: **Bliss Anand America, LLC**  
3400 Awesome Lane  
La Porte, Texas 77571

SCOPE:  
Manufacture and assembly of power boilers at the above location only

AUTHORIZED: June 16, 2015  
EXPIRES: June 16, 2018  
CERTIFICATE NUMBER: 51,013

*Benjamin A. Fisher*  
Vice President, Conformity Assessment

*Joseph J. Lisciani*  
Director, Conformity Assessment

