



MGES

MYANMAR GREEN ENERGY SUMMIT 2015



MYANMAR GREEN ENERGY SUMMIT 2015

17 - 18 August 2015

Sule Shangri-La, Yangon, Myanmar

www.myanmargreenenergysummit.com

Harnessing Myanmar's Green Energy Mix For A Sustainable Future

Hosted by:



The Republic of the Union of Myanmar Federation of Chambers of Commerce & Industry

Organised by:



Thought Leader Network Solutions

Supported by:



Myanmar Ministry of Electric Power



Ministry of Livestock, Fisheries and Rural Development



Renewable Energy Association Myanmar



Singapore Pavilion Organised by:



Sustainable Energy Association of Singapore

Summit Session Sponsor:



Vestas Asia Pacific Wind Technology Pte. Ltd.

Notebook Sponsor:



High Tech Concrete Technology Co., Ltd.

OVERVIEW

Harnessing Myanmar's Green Energy Mix For A Sustainable Future

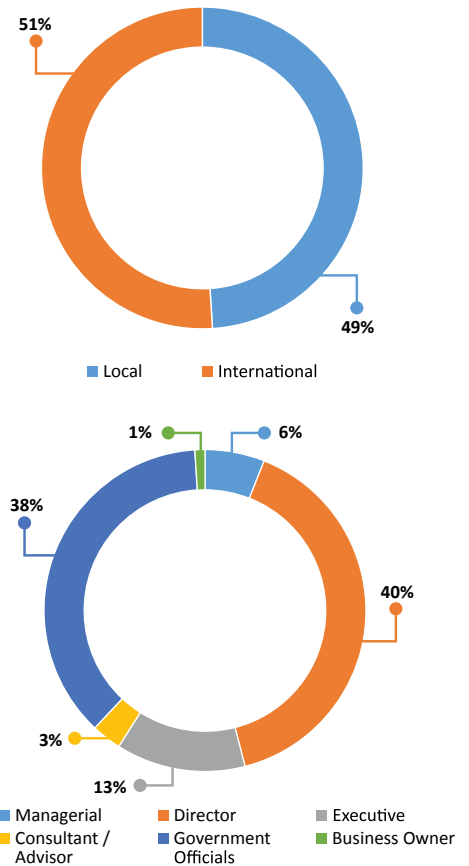
In the middle of the fastest growing region in the world – East Asia, Myanmar holds great promise as the next big market. Notwithstanding its plentiful hydroelectricity resources and incredibly rich cache of biodiversity, Myanmar faces unique and daunting set of energy access and security challenges.

In the realm of energy access and energy poverty, the official electrification rate of Myanmar is at 13 percent and a majority of households with close to 95% depend on solid fuels such as wood and rice husk for cooking and heating. In the rural context, the national power grid network covers only 7 percent of the country, meaning millions of people are deprived of access to electricity services for enhancing their livelihood requirements.

Most parts of Myanmar are far off the national grid with no legacy of fossil power generation. Flexible, decentralized community-based renewable energy systems like solar and micro-hydro are therefore the best way to power the countryside.

Hosted by the Republic of Union of Myanmar Federation of Chambers of Commerce & Industry (UMFCCI), the 2nd series of the Myanmar Green Energy Summit 2015 (MGES 2015) will once again bring together foreign investors from over 25 countries to gather in Yangon; get updated on the new market directions, opportunities and economic priorities of the Myanmar's green and renewable energy sectors at the same to build potential business networks with the local industry players.

MGES 2014 Delegates Statistics



Endorsed by:



China Photovoltaic Industry Association



Chinese Renewable Energy Industry Association



Media Partners:



ABOUT MYANMAR

Quick Facts

Area	: 676, 578 sq km
Population	: 60.62 million
Annual Population growth rate	: 1.3
People	: 68% Bamar, 9% Shan, 7% Karen, 4% Rakhine, 3% Chinese, 2% Indian, 2% Mon, 5% Others
Official Language	: Burmese
Adult literacy	: 92%
GDP	: US\$82.7 billion
GDP per capita	: US\$1,324
Annual GPD Growth	: 5.5%
Unemployment Rate	: 5.5%
Inflation	: 7.3%
FDI Flow	: \$756.3million
Agriculture Products	: rice, pulses, beans, sesame, groundnuts, sugarcane; fish and fish products; hardwood
Major Industries	: agricultural processing; wood and wood products; copper, tin, tungsten, iron; cement, construction materials; pharmaceuticals; fertilizer; oil and natural gas; garments, jade and gems

(source: ADB report; World Factbook)

MGES 2014 testimonial

“Congratulations for your successful completion of MGES 2014 in Yangon through 5th to 6th August 2014. I also would like to say thank you to the organiser for your hospital and good management throughout the whole event. Hope to see you in MGES 2015 again.”

Ba Kyi
HSE Manager
Htoo Group of Companies

“I have gained a lot of important knowledge on renewable applications for the Myanmar energy development activities during the 2 day conference.”

U Aung Myint
Secretary General
Renewable Energy Association Myanmar, Myanmar

“I have learnt more about investing in Myanmar especially the potential and the investment opportunities in the green energy sectors.”

Vikkineswaran Supramaniyan
Senior Manager
Tenaga Nasional Berhad, Malaysia

“MGES 2014 is a good place to networking and understand the Myanmar's energy scenario”

Vivek Taneja
Head of Business Development, Power Division
Thermax Limited, India

“This is an extremely productive conference. I am glad to be part of it!”

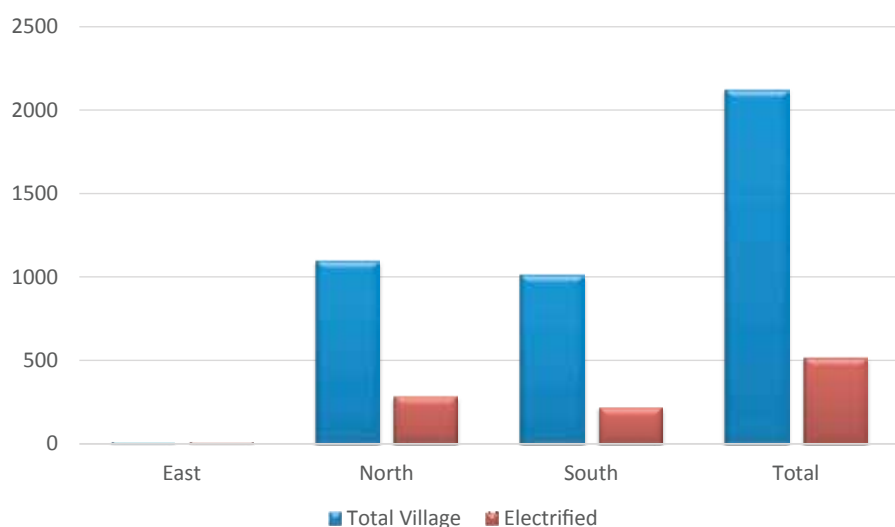
Gauri Singh
Director, Country Support and Partnerships
IRENA, United Arab Emirates

“We've made a significant step forward for our work at Myanmar after our trip attending and exhibiting at the Myanmar Green Energy Summit in early Aug.”

Kees-Jan van Oeveren
Head of Section – Principal Consultant - Clean Technology Centre
Det Norske Veritas Pte. Ltd

MARKET UPDATES

Rural Electrification Rate



	Total Village	Electrified
East	11	11
North	1101	284
South	1016	224
Total	2128	519

Planned Target for Long Term Yr.(2011-12) to Yr.(2030-31)

Project Term	Population Forecast (million)	Power Demand		Per Capita Consumption (kWh)	Electrified Household (%)
		Demand (MW)	Generation (GWh)		
Yr. 2011-12	60.44	1,806	10,444	173	27%
From Yr. (2012-13) to Yr. (2015-16)	63.14	3,078	17,797	282	34%
From Yr. (2016-17) to Yr. (2020-21)	66.69	5,686	32,874	493	45%
From Yr. (2021-22) to Yr. (2025-26)	70.45	10,400	60,132	854	60%
From Yr. (2026-27) to Yr. (2030-31)	74.42	19,216	111,100	1,493	80%

Generation Plan to Fulfill the Demand from year (2016-17) to (2030-31)

Project Term	Demand Forecasting	Reserve Power	Installed Capacity	To be Implemented during (5) year plan
From Yr. (2012-13) to Yr. (2015-16)	3,236	765	4,001	1,740
From Yr. (2016-17) to Yr. (2020-21)	5,686	1,706	7,392	3,391
From Yr. (2021-22) to Yr. (2025-26)	10,400	3,120	13,520	6,128
From Yr. (2026-27) to Yr. (2030-31)	19,216	5,765	24,981	11,461

ABOUT THE EXHIBITION

The Exhibition / Sponsorship Opportunities

The sponsorship program has been specially designed to give industry leaders opportunities to increase visibility and enhance corporate profile. Partners and sponsors will enjoy sustained profiling impact through continuous promotion before, during and even after the conference. There are various opportunities to support and be associated with this prestigious and unique event. Contact the organizer for more information.

Why Exhibit In MGES 2015?

- An ideal platform to project brand image and stay competitive in the industry
- Establish your presence in a new market
- Generate and establish new sales leads, business contacts and build network
- Engage new partners from the region
- Support existing clients and local agents



Who Should Exhibit?

- Hydropower & Water Resources Consultants & Developers
- PV Developers & Installers
- Biomass Consultants and Suppliers
- Coal Energy Developers
- Wind Energy Providers
- Technology & Services Providers for Power Generation
- Power Transmission & Distribution
- Turbines, Generators, Equipment Manufacturers
- Consulting & Engineering Companies
- Mechanical and Electrical Suppliers
- Transport & Supply Chain
- Quality / Process Management
- Safety & fire
- OSH Equipment
- IT Systems
- Financial Institutions & Energy Exchanges
- Legal Services

ABOUT THE EXHIBITION

General Sponsorship

Sponsorship Packages	USD
Titanium Sponsor	30,000
Platinum Sponsor	20,000
Gold Sponsor	15,000
Silver Sponsor	12,000
Cocktail Sponsor	15,000
Luncheon Sponsor	10,000
Refreshment	5,000 per session
Conference Session Sponsor	5,000 per session
Conference Bag	15,000
Conference Kit	15,000
Marketing Brochure	10,000
Name Badge Lanyard	5,000
Advertisement (FPFC)	1,000

Standard Exhibition Space

Booth Size		USD
6sqm Standard Shell Scheme	Early Bird	3,500
	Normal	4,000
12sqm Standard Shell Scheme	Early Bird	5,500
	Normal	7,000

STANDARD BOOTH COMES WITH:

- White polyester laminated panels for back wall and fascia board
- Adhesive exhibitor's name and booth number on the fascia board
- Fluorescent lights
- Information Counter
- Folding Chair
- Waste Basket



MGES 2014 testimonial

“MGES 2014 is a good platform to generate leads and achieve business deals.”

David Cheah
Marketing and Branding Manager
Yingli Green Energy Singapore

“Congratulations for a successful MGES 2014”

Li Yan
Managing Director Asia
Trina Solar (Singapore) Pte Ltd

CONTACT US

Mr. Jason Choong
Myanmar Green Energy Summit
2015 Secretariat
c/o: Confexhub Sdn Bhd

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6, Jalan Kampar, off Jalan Tun Razak
50400 Kuala Lumpur, Malaysia

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Fax: +603 4050 5099

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Email: jason.choong@confexhub.com
conference@confexhub.com

CONTACT US

ABOUT THE SUMMIT

Summit Highlights

- A High Calibre Summit
- The Comprehensive Services Showcase
- Business Matching Meetings
- International Pavilions

Summary Of Discussion Areas

- Myanmar's 15 Years Power Development Plan
- Financing Options For Green Energy In Myanmar
- Hydropower as Long-Term Energy Security for Myanmar
- Optimizing Operational Solar in Myanmar Energy Mix
- Wind Power Potentials and Initiatives
- Transmission Planning in Myanmar Towards Sustainability
- Hybrid Distributed Energy in Remote Rural Areas

Benefits Of Attending MGES 2015

- Unrivalled access to a target audience of energy producers, consultants, engineers, manufacturers, agents, distributors, policy makers, regulators and captains of the industry
- A flagship event to exchange ideas with the industry experts while being updated on the latest policies, regulations and developments of Myanmar's green energy industry
- Explore investment opportunities in Myanmar
- A platform for networking and establishing contacts for future business collaborations



Who Should Attend?

- Power Generators & Utilities
- Consulting & Engineering Companies
- Energy Contractors
- Energy Exchanges, Traders, Analysts
- Energy Turnkey
- Government Agencies / Ministries
- Grid Energy Storage
- Hydropower Developers & Consultants
- Independent Power Producers
- Mechanical & Electrical Suppliers
- Mega Energy Structures Architects / Designers
- Power & Energy Infrastructure Financing Institution
- Power & Energy Infrastructure-related Service Provider
- Power Plants Owners, Planners and Service Operators
- Power Transmission & Distribution
- Repair & Refurbishing
- Strategic & Portfolio Investors
- Solar & PV Manufacturer & Contractor
- Tax & Legal Advisors
- Technology & Service Providers for Power Generation
- Turbine, Generators, Equipment Manufacturers
- Water Resources Management
- Wind Energy Providers & Consultants

The Venue

Just 30 minutes away from Yangon International Airport, Sule Shangri-La, Yangon, sits at the kernel of Burma's economic capital. Blending elegance with gracious Burmese hospitality, it is the perfect base for taking in the city's exotic and distinctive culture.



PROGRAM

DAY ONE: 17 AUGUST 2015, MONDAY

7:30AM	MGES 2015 Registration Begins Venue: Foyer of The Grand Ballroom, Sule Shangri-la Hotel
8:30AM	Delegates Take Their Seats at Ballroom Venue: Grand Ballroom, Sule Shangri-La, Yangon
8:30AM	Arrival of Distinguished Guests
8:30AM	Arrival of Guest of Honor H.E. U Khin Maung Soe, Union Minister, Ministry of Electric Power
OPENING CEREMONY	
8:50AM	Myanmar Cultural Dances
9:00AM	INTRODUCTORY REMARKS Datuk Dr. Abdul Aziz S.A. Kadir, Chairman, Confexhub Group
9:10AM	SPECIAL ADDRESS U Win Aung, President, The Republic of The Union of Myanmar Federation of Chambers of Commerce & Industry
9:20AM	KEYNOTE ADDRESS AND LAUNCH OF MGES2015 SUMMIT: MYANMAR POWER OUTLOOK AND DEVELOPMENT PLAN H.E. U Khin Maung Soe, Union Minister, Ministry of Electric Power
9:40AM	Networking & Refreshments Break
PLENARY SESSION	
10:10AM	Plenary Address 1: Myanmar's Policy and Strategy in Meeting Sustainable Electricity Security for Economic Growth
10:40AM	Plenary Address 2: World Bank's 7.2 Million New Household Electrification Program for Myanmar
11:10AM	Plenary Address 3: Scaling Up The Renewable Energy Access in Myanmar: The ADB Perspectives
11:40AM	Plenary Address 4: Natural Gas Industry Outlook and Opportunities in Powering Electrification for Myanmar's Economy
12:10PM	Plenary Address 5: Transforming Municipal and Industrial Waste to Green Energy for A Greener Myanmar
12:40PM	Luncheon for Guest Speakers and Delegates
SESSION ONE: TRANSMISSION AND DISTRIBUTION PLANNING FOR A SUSTAINABLE POWER SUPPLY IN MYANMAR	
1:40PM	Paper 1: Myanmar's Transmission Development Plan for Grid Expansion and Reduction of Power Losses
2:10PM	Paper 2: Scaling Up Myanmar's Electric Security with the Greater Mekong Subregion Energy Cooperation
2:40PM	Paper 3: Grid and Off Grid Technologies to Power up Myanmar
3:10PM	Paper 4: Hybrid Energy Storage Technologies for Urban and Rural Applications
3:40PM	Open Forum: Comments, Questions and Answers
3:50AM	Networking & Refreshments Break
SESSION TWO: HYDROPOWER AS A LONG-TERM RENEWABLE ENERGY SECURITY FOR MYANMAR	
4:20PM	Paper 5: Hydropower Development Plans and Progress in Myanmar
4:50PM	Paper 6: Development Vs. Sustainability: The Challenges and Prospects for Emerging Countries
5:20PM	Paper 7: Modernizing Existing Hydropower & Water Storage Facilities for Increased Electric Generation
5:50PM	Paper 8: Optimization of Pumped Storage and Multipurpose Reservoirs to Smooth Intermittent and Unreliable Sources
6:20PM	Open Forum: Comments, Questions and Answers
6:30PM	CONFERENCE DAY 1 ENDS

PROGRAM

DAY TWO: 18 AUGUST 2015, TUESDAY

SESSION THREE: INVESTMENT POLICIES AND FINANCING OPTIONS FOR GREEN ENERGIES IN MYANMAR

8:30AM	Paper 9: Myanmar's Foreign Direct Investment Policy for the Power Sectors
9:00AM	Paper 10: Financing Options for Green Energy Projects in Myanmar
9:30AM	Paper 11: The Funding Options from Commercial Bankers for Green Energy Projects
10:00AM	Paper 12: Licensing and Regulatory Aspects of Green Energy Projects In Myanmar: A Practical Look at Myanmar's New PPAs
10:30AM	Open Forum: Comments, Questions and Answers
10:45AM	Networking & Refreshment Break

SESSION FOUR: ELECTRIFICATION FOR REMOTE AND RURAL AREAS

11:15AM	Paper 13: Remote and Rural Electrification Development Plan: Status and Directions
11:45AM	Paper 14: Developing Myanmar's Small Hydro Potentials for Rural Electrification
12:15PM	Paper 15: Micro-Grid System for Rural Electrification: A Noble Approach for Myanmar
12:45PM	Open Forum: Comments, Questions and Answers
1:00PM	Luncheon for Guest Speakers and Delegates

SESSION FIVE: OPTIMIZING SOLAR IN MYANMAR ENERGY MIX

2:00PM	Paper 16: Solar Power Utilization for Rural Electrification in Myanmar
2:30PM	Paper 17: Solar Farms and Grid Connectivity Planning and Opportunities in Myanmar
3:00PM	Paper 18: Using Off-Grid Solar Photovoltaic Generation for Commercial and Residential Electrification
3:30PM	Open Forum: Comments, Questions and Answers
3:40PM	Networking & Refreshment Break

SESSION SIX: ROLE OF WIND POWER IN THE MYANMAR ENERGY

4:10PM	Paper 19: Wind Energy Development and Prospects for Myanmar
4:40PM	Paper 20: Wind Farm Planning and Operation
5:10PM	Paper 21: Lower Cost Wind Energy Generation Solutions
5:40PM	Open Forum: Comments, Questions and Answers
5:50PM	CLOSING ADDRESS U Win Aung, President, The Republic of The Union of Myanmar Federation of Chambers of Commerce & Industry
6:00PM	MYANMAR GREEN ENERGY SUMMIT 2015 ENDS

***This Program is subjected to change and for updated program, please logon on to www.myanmargreenenergysummit.com
Program @ 28 April 2015*

**Invited and awaiting confirmation*

OFFICIAL AIRLINE



Qatar Airways, one of the world's fastest growing airlines, has rapidly expanded into the MICE business. We invite you to experience the World's 5-Star Airline which was awarded Airline of the Year 2011 & 2012. An experience that will set a new benchmark for your future travel. In addition to receiving exclusive fares, attendees can also

- Earn Qmiles with Privilege Club, Qatar Airways frequent flier programme, or with one of our codeshare partners' programmes.
- Explore destinations before you arrive with our in-depth destination guides.
- Save time at the airport by checking-in online.
- Enjoy award-winning service onboard the World's 5-star Airline.

Use the Promo Code provided to you **RGNMGES15** and enjoy up to 25% discount* on Qatar Airways market fares to attend the supported event, and selected oneworld alliance add-on flights.

- Valid for travel 10 days prior to the event's start date until the event's last day.
- Return flights within 10 days from the event's last day.
- Offer is not valid on all fares (excludes promotional fares).
- Customers who did not receive a discount, cannot be credited retrospectively.
- Not valid in combination with any other promotion.
- Book Al Maha Meet and Greet, Stopovers, City Tours, and Land and Visa arrangements to Doha through Qatar Airways Holidays.
- Frequent Flyer Bonus miles for delegates booking online.
- Other conditions apply; please review at time of booking.

*Discounts vary according to the point of departure and destination

Fare Discounts for use by Eligible Travellers, applicable on flight fares excluding taxes and fuel charges

From :	Qatar	GCC, ISC, Levant, Iran, and Yemen	Africa except South Africa	South Africa	NSW Europe	East Europe	Americas	East-Asia, South-West Pacific
To YANGON Applicable Booking Classes								
N, A (Restricted Fares Tier 1)	5%	5%	5%	5%	5%	5%	5%	5%
S, V, L, I (Restricted Fares Tier 2)	10%	15%	10%	15%	20%	15%	20%	20%
M, K, H, B, Y, D, C, J, P, F (Semi- and Full Flexible Fares)	10%	20%	15%	20%	25%	20%	25%	25%

Arrival Airport(s): Mingaladon(RGN)

Sales Period		Travel Period for Attendees	
From	To	Outbound	Inbound
07-Feb-2015	18-Aug-2015	From 07-Aug-2015 to 18-Aug-2015 included	To be completed on or before 28-Aug-2015

For booking, please log on to :
<http://www.qatarairways.com/global/en/business-solutions/meetings-and-conventions.page>



DELEGATES ACCOMMODATION

SULE SHANGRI-LA, YANGON

SULE SHANGRI-LA, YANGON

#223 Sule Pagoda Road, G.P.O Box 888, Myanmar

Tel: (951) 242828

Fax: (951) 242800

For Hotel Booking reservation:

Sule Shangri-La, Yangon

Room Type	Single	Double
Deluxe	USD 224.25 nett	USD 241.50 nett
Traders Club	USD 247.25 nett	USD 264.50 nett
Horizon Club	USD 276.00 nett	USD 299.00 nett

(Room rates are inclusive of breakfast and taxes)



CENTRAL HOTEL

CENTRAL HOTEL

No. 335/357, Between 31st & 32nd Street Bogyoke Aung San ST.

Tel: (951) 278472, 241007, 3

Fax: (951) 248003

For Hotel Booking reservation:

UA Ticketing & Tours

Room Type	Single	Double
Superior	USD 70	USD 70
Deluxe	USD 85	USD 85

(Room rates are inclusive of breakfast and taxes)



PANORAMA HOTEL YANGON

PANORAMA HOTEL

No. 294/300. Pansodan Street, Kyauktada Township, Yangon, Myanmar.

Tel: (951) 253 077

Fax: (951) 251 986

For Hotel Booking reservation:

UA Ticketing & Tours

Room Type	Single	Double
Superior	USD 70	USD 70
Suite	USD 90	USD 100

(Room rates are inclusive of breakfast and taxes)



PARK ROYAL HOTEL

PARK ROYAL HOTEL

No. 33, Alan Pya Phaya Road, Dagon

Tel: (951) 252 476

Fax: (951) 252 475

For Hotel Booking reservation:

UA Ticketing & Tours

Room Type	Single	Double
Superior	USD 165	USD 165
Deluxe	USD 195	USD 210
Premier Room	USD 240	USD 260

(Room rates are inclusive of breakfast and taxes)



THAMADA HOTEL

THAMADA HOTEL

No. 5, Alan Pya Pagoda Road, Dagon, Yangon, Myanmar.

Tel: (951) 243 639

Fax: (951) 245 001

For Hotel Booking reservation:

UA Ticketing & Tours

Room Type	Single	Double
Superior	USD 60	USD 65

(Room rates are inclusive of breakfast and taxes)



For Sule Shangri-La, Yangon Booking reservation:

Contact Person: Ms. Lily

Email: wuli.ping@shangri-la.com, thithi.aung@shangri-la.com

Tel: (951) 242828

Fax: (951) 242800

Website: <http://www.shangri-la.com>

For UA Ticketing & Tours Booking reservation:

Contact Person: Ms. Thuzar

Email: uatours@uniqueasiatravel.com

Tel: (959) 540 2929

Website: <http://www.uniqueasiatravel.com>

* Hotel rate is subjected to changes

MYANMAR GREEN ENERGY SUMMIT 2015 HOTEL RESERVATION FORM



Title Mr. Mrs. Ms. Dr. Others (specify) : _____

Name (as per passport) _____

Email _____

Passport No. _____ Date of Issue / /

Country of Issue _____ Expiry Date / /

Job Title _____

Company _____

Address _____

City/State _____ Postcode _____

Country _____

Telephone* _____ Fax* _____

Mobile Number* _____

*(Please include country and area code)

HOTEL ROOM RESERVATION

Choice of Hotel: (Please specify name of hotel. Reservation is for approved MGES 2015 hotels only)			
Single or Twin-Sharing (Please Specify)		Rate Per Room Per Night (Please specify Rate)	
Check-In Date		Check-Out Date	

Below For Twin Sharing Room, Please Provide full name of room rate: (As per passport).please added

Title Mr. Mrs. Ms. Dr. Others (specify) : _____

Name _____

MODE OF PAYMENT

Reservation of hotel rooms is on first-come-first served basis. Reservation will only be made upon receipt of this reservation Form. Credit Card payments for hotel accommodation are charged in USD. Payment is to be made to the hotel specified by you and charge to your Credit Card account indicated below. Rooms booking confirmation letter will be issued by the hotel as proof of reservation.

PAYMENT BY CREDIT CARD (USD)

I hereby authorized USD _____ to be charged to my credit card below for the hotel reservation.

Credit Card: Visa Master (3 digit Security Code Number - on back of card _____)

Name : _____ (as appears on card) Credit Card No. : _____

Expiry Date : _____ Signature : _____ Date : _____

*(Signature must correspond with the specimen signature of the Card Account)

Note: For room reservation, please complete the Hotel Reservation Form and fax or email to the hotel of your choice directly

