GMR Hyderabad International Airport Ltd.

- GMR Hyderabad International Airport Ltd (GHIAL) is a Public Private Partnership (PPP) Enterprise for building and operating Rajiv Gandhi International Airport, Hyderabad.
- Total area of land: 2223 hectares
- The Airport was commissioned in 2008
- Airport capacity: 12 million passengers and 3 lakh tons of cargo handling per annum
- GHIAL is a joint venture company promoted by:

GMR 63% | AIAL 11% | 13% | 13%
GMR Group & its Vision

GHIAL is a part of 5 billion dollar GMR Group which has got strong presence in the infrastructure area, particularly Airports, Energy and Highways.

Vision

“GMR Group will be an Institution in perpetuity that will build Entrepreneurial Organizations, making a difference to Society through creation of Value”

...by establishing a culture ingrained in deep rooted Values & Beliefs

<table>
<thead>
<tr>
<th>Mokshagundam Visvesvaraya</th>
<th>Henry Ford</th>
<th>Mahatma Gandhi</th>
<th>Albert Einstein</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deliver the promise</td>
<td>Entrepreneurship</td>
<td>Humility</td>
<td>Learning</td>
</tr>
<tr>
<td>We value a deep sense of responsibility &amp; self discipline, to meet &amp; exceed on commitment</td>
<td>We seek opportunities. They are everywhere.</td>
<td>We value intellectual modesty and dislike false pride and arrogance.</td>
<td>Nurturing active curiosity - to question, share and improve.</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Edmund Hillary &amp; Tenzing Norgay</th>
<th>Martin Luther King</th>
<th>Mother Theresa</th>
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<tbody>
<tr>
<td>Teamwork &amp; Relationships</td>
<td>Respect for individual</td>
<td>Social responsibility</td>
</tr>
<tr>
<td>Going beyond the individual - encouraging boundary less behavior.</td>
<td>We will treat others with dignity, sensitivity and honor.</td>
<td>Anticipating and meeting relevant and emerging needs of society.</td>
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</tbody>
</table>
Driven by Group’s Passion, Patience & Perseverance, we have come a long way…

GMR Group was established in June 1978

1994 Entry into Infrastructure 200 MW IPP in Chennai

2013 Gaining momentum
3 Airports
8 Highways / 1 Projects
6 Power Plants / 11 Projects
4 Coal Blocks
2 Power Transmission Projects

GMR Infrastructure Ltd. listed at Bombay Stock Exchange & National Stock Exchange in 2006

2015 Large & diversified infrastructure player
3 Airports
9 Highways
2 Special Investment Regions
10 Power Plants / 7 Projects
4 Coal Blocks
2 Power Transmission Projects

RGI Airport - Phased Development

GHIAL commissioned RGI Airport in a record time of 31 months

<table>
<thead>
<tr>
<th>Phase</th>
<th>Design Capacity mppa</th>
<th>Construction-Start/Finish</th>
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<tbody>
<tr>
<td>Phase 1</td>
<td>12</td>
<td>March 2008</td>
</tr>
<tr>
<td>Phase 2</td>
<td>20</td>
<td>As per traffic trigger</td>
</tr>
<tr>
<td>Phase 3 &amp; 4</td>
<td>40</td>
<td>As per traffic trigger</td>
</tr>
</tbody>
</table>
Key Features of the Airport

A few firsts in India

- Fully automated Airport Operations Control Center (AOCC)
- Tallest ATC Tower (75 m)
- Longest taxiway (4395 m);
- Code F facility: A380 Compatible
- Open Access model for fuel supply
- 4 level inline baggage screening
- Swing-gate Operations

Emphasizing passenger comfort

- International brand Concessionaires
- 5 Star Airport Hotel
- CUTE (Common User Terminal Equipment) & CUSS (Common User Self Service) enabled check-in.
- Slumber lounge with shower and nap facilities.
- Apollo Medical Centre
- Transfer facility

GHIAL has received several awards

Leadership in Energy & Environmental Design (LEED) “silver rating” - 1st airport in Asia & 2nd airport globally to have won this certification.

Outstanding Concrete Structure of AP award 2008 by Indian Concrete Institute (ICI)

World Routes award by ORBIS UK, for CSR projects undertaken around the Airport

CNBC Infrastructure excellence award for Airports

Best Airport Marketing award (Asia) in 2009 and again in 2010 in Routes Conference


CAPA Environment Award of the year: Airport, 2009

Certifications:
- ISO 9001-2008 (Quality Management System),
- ISO 14001-2004 (Environment Management System),
- OHSAS 18001 – 2007 (Occupational Health and Safety Management System),
- ISO 10002 – 2004 (Complaints Management System)
- ISO 20000 (IT Service Management)
- ISO 14064-1 : 2006 (Quantification & reporting of greenhouse gas emissions & removals)
- ISO 50001: 2011 (Energy Management System)
GHIAL has received several awards

- 'Favourite Indian Airport' award by Conde' Naste Traveller magazine
- ‘Best Greenfield Airport in India’ by Air Passengers Association of India
- ‘Best Airport in India’ National Tourism Award by Ministry of Tourism for 4 consecutive years 2009-10, 2010-11, 2011-12 and 2012-13
- BEST PERFORMING DOMESTIC AIRPORT award in SATTE 2012 Travel awards
- Project Management Institute, Hyderabad for its outstanding contribution in the field of aviation.
- Best Cargo Airport in India and Best Cargo Terminal in India 2012 Award by ACAAI
- Best Airport in the Indian Subcontinent - EMERGING MARKET AIRPORT AWARDS 2013
- Best Airport under 10 mppa category in the World by Air Transport News

GHIAL has received several awards (2/2)

- Best Airport India’ Award at the Skytrax World Airports Awards 2010 and 3rd Best in 2011 & No.1 in the year 2013
- GHIAL has been awarded 5-star Rating and ‘Sword of Honour’ by British Safety Council for its Safety Management System.
- Rajiv Gandhi International Airport, Hyderabad won “Best Airport (India)” Runner-Up in India’s Best Award 2012 announced by Travel + Leisure India & South Asia
- FICCI CSR Award 2012-2013 for its Corporate Social Responsibility.
- First airport in the country and 2nd in Asia Pacific to receive Level 3 Accreditation by ACI for Airport Carbon Emission Management
Sustainability initiatives at GHIAL

With the firm belief that sustainable growth is not possible without paying the needed attention to Environmental Management and Conservation, GHIAL has taken several green and environment friendly initiatives.

**PROFIT**
- Economic Value Generated
- Risks and mitigation
- Suppliers
- Local procurement
- Local hiring and job creation
- Investment in environment protection
- Investment in social development

**PEOPLE**
- Community development
- Health and safety
- Best place to work
- Labour practices
- Human rights
- Product & service stewardship
- Bribery and corruption

**PLANET**
- GHG emissions management
- Material & energy intensity
- Green supply chain
- Reduce, reuse and recycle
- Clean energy use
- Waste reduction and management
- Water management

Leadership and Environmental Management

All the initiatives flow from a strong Environmental Policy with total top Management Commitment.
Achieving sustainability through ……
Environmental Best Practices

✓ Greenbelt Cover
✓ Green Buildings
✓ Energy Conservation
✓ GHG Management
✓ Air & Noise Pollution Control
✓ Water Management
✓ Solid Waste Management
✓ Environmental Quality Monitoring
✓ Environmental Promotion
✓ Community Development

Green Cover

• In an area of 273 hectares, greenbelt developed with various plants
• 971 hectares of natural greenery undisturbed
• About 124 tonnes of CO₂ / annum removal from the environment
• RGIA received the best landscape award from the State Govt. in the years 2010, 2011, 2012 and 2013
Green Building

A structure that is environmentally responsible and resource-efficient throughout the building's life-cycle

RGIA’s Passenger Terminal Building is certified for “Leadership in Energy & Environmental Design” (LEED) “silver rating” by the US Green Building Council (US GBC)

Energy Conservation

- GHIAL has achieved electricity savings of 3.397 million kWh (kilowatt hour) on an average in the last three years;
- GHIAL has been certified for ISO 50001, which is an international standard for energy management system

Some of the important energy conservation measures include:

- Introduction of energy efficient LED (Light Emitting Diode) lighting
- Implementation of Building Automation System
- Optimization of air conditioning units according to ambient temperature and weather conditions
Greenhouse Gases Management

➤ **Management approach:**
  • Commitment in the environmental policy
  • Setting objectives and targets on GHG reduction
  • Providing necessary resources
  • Periodical review of the progress

➤ **Steps taken:**
  • A detailed action plan was prepared for reduction of carbon footprint
  • An action team was formed with representatives from the respective areas
  • Roles & responsibilities were clearly defined and communicated
  • Training was imparted to the teams
  • Stakeholders were sensitized
In the year 2012, GHIAL reduced 4080 tons of CO₂e compared to the base year 2009 through ongoing energy conservation practices.

**Airport Carbon Accreditation**

- In recognition of carbon emission reduction achieved in 2010 and 2011… GHIAL received ‘Level 2 – reduction’ ACI-Airport Carbon Accreditation in 2012.
- In 2012, the scope of the GHG was extended to the stakeholders (Aircraft LTO & ground handlers vehicles) and Level 3 – Optimisation ACI-Airport Carbon Accreditation was obtained in 2013.
- RGIA became the 1ST Airport in the country and 2nd airport in the Asia Pacific Region to get the level 3 accreditation.
Air & Noise Pollution Control

- Battery operated vehicles
- FEGP units for aircraft in place of Auxiliary Power Unit
- Pollution Control Measures for DG sets
  - Single engine taxing procedure / Restriction in the use of reverse thrust

Wastewater Management

- Wastewater is being treated in Sewage Treatment Plant (STP) at site and reused for flushing and plantation
- Sludge from STP is being used as manure
Rainwater Harvesting

- The runoff water is collected from the paved areas into three major drains in the airside.
- Total runoff water collection facility is 1,85,000 KL.
- The water is treated through Oil & Water separator.
- The recharge basin contains 10 recharge structures. Each structure contains 5 recharge wells.
- The rainwater net recharge is estimated at 1.729 million cubic meter per annum.
- The water is used for flushing and irrigation.

Solid Waste Management

- Food waste generated from the airport is converted as compost on the site.
- Compost generation is about 355 tonnes / annum.
- Compost and STP sludge are being used as manure in place of chemical fertilizers.

- Paper and plastic waste are being handed over to recyclers.
- Used Oil, E-waste & Bio-medical waste disposed off to State Pollution Control Board authorised agency.
- Used Lead acid batteries are handed over to dealers on buyback basis.
RGI Airport is the first airport in the Country to commission an integrated online continuous environmental monitoring station.

**Parameters Monitored**

- **Ambient air quality**: PM10 & PM 2.5, sulphur dioxide and nitrogen dioxide, Sound level.

- **Weather**: Wind speed, wind direction, vertical wind speed, barometric pressure, air temperature, solar radiation, relative humidity and rainfall.

In addition to this, a third party environmental quality monitoring is being done at 9 location in and around the airport.

**Environmental Promotion**

- All Environmental related days such as World Environment Day, Earth Day, Ozone Day, etc., are observed with total support of the stakeholders.

- Various events are arranged for employees & their families, stakeholders and passengers to create the awareness and involvement.

"I realise that the food we waste can feed millions of people. Also, waste food products negatively affect the environment. Hence I pledge not to waste food."
Plantation by employees

Promotion of Public transport

WHY PROMOTE AND SUPPORT PUBLIC TRANSPORT?

- It is less expensive, enhances social relationships and helps in road decongestion
- Helps in fuel conservation, lesser emissions of pollutants & vehicle gases which leads to environmental conservation
- lesser burden, transitional transport by road conservation

DID YOU KNOW?

- Small cars and vans, and per passenger mile, almost 39% of CO2 is released. 52% of road-vehicle emissions are from car transport
- Energy conservation is better in public transport than individual vehicles
- As a means of transport, public transport emits a third of its vehicle emissions compared to other road transport
- Public Transport is about 79% more efficient than personal transport
- An average person’s carbon footprint is about 4,400 tons of CO2, and over 90% of this comes from personal transport such as cars and motorcycles
- Mostly, 10% of CO2 is saved by reducing just 20% of personal transport vehicle emissions from 1% to 7% in 3 years

Let us observe

Promote Public Transport Support Green Initiative

Thank You for...

...Travelling by Public Conveyance
...Saving Fuel
...Conserving Environment
...Helping Decongest Roads
Community Development

- Community development is carried out by GMR Varalakshmi Foundation – the CSR arm of the GMR Group - with a team of dedicated professionals for this work

- The major thrust areas of work are:
  - Education
  - Health and Hygiene
  - Livelihoods

- The community service started in 2006. The Foundation works intensively in 5 villages and extensively in around 25 villages

Education

- Built a fully-equipped school at Shamshabad for imparting quality education. Run by Chinmaya Mission

- 20% seats in this school are sponsored through Foundation for poor and meritorious students from neighbouring villages


- Infrastructure and support for education quality improvement (tuitions, vidya volunteers, teaching-learning materials, etc.).

- IBM Kids mart Centre for technology enabled and activity based learning in 5 schools
Health and Hygiene

- Mobile Medical Unit providing free healthcare and medicines to **over 800 patients of 55+ age** group every week, in partnership with Helpage.

- Free weekly medical clinics in 5 villages serving about **150 patients** per week.

- **Over 1500 children** covered in health check-ups every six months

- **2 Supplementary Nutrition Centres** for pregnant and lactating women in operation. Have served more than 400 women in the last few years.

- Eye camps and other targeted medical camps at regular intervals

Empowerment and Livelihoods

- **A fully Residential Vocational Training Centre – GMR Varalakshmi Centre for Empowerment and Livelihoods** started in airport campus. Short-term vocational courses offered free of cost to drop out youth from villages surrounding the airport.

- The training center runs vocational courses with industry partners like Voltas, Schneider, Hero MotoCorp, Jain Irrigation, etc.

- Trained close to 2000 youth with more than 80% placement from 2006 onwards

- More than 750 youth from around the area placed at the airport in entry-level jobs
Empowerment and Livelihoods

- Ladies Tailoring Classes at 4 villages. More than 700 women already trained. Specialized training on jute and paper bag making for income generation.

- EMPOWER is an initiative to enable marketing of hand-made products made by GMR locations as well as other women Self-Help Groups (SHGs)

- GHIAL has provided two shop spaces – one at international departures and other at Arrivals for this marketing initiative.

- Office sales and conference orders are other sources of revenue.

- The turn-over was Rs.75 lakhs for the year 2012-13.

Awards and Recognition

- CNBC TV 18 Best Corporate Citizen Award in 2010.

- GMR Infrastructure Ltd adjudged the First Prize Winner for the coveted TERI–CSR Award for 2008-09.

- RGIA-GHIAL was recognized as the Best Airport in the World for its CSR at the 14th World Routes Conference at Kuala Lumpur in Oct, 08.

- GHIAL has been awarded the FICCI CSR Award 2012-2013.
RGI Airport is not simply a greenfield airport.......... It is a green airport

We look forward to your encouragement for our Green initiatives....

Thank You