

GMR Infrastructure

BUY

Grand design

Rs68

Reason for report: Initiating coverage

GMR is India's leading infrastructure company, with presence in airports, power, roads and special economic zones (SEZs). GMR's superior airport assets (Delhi, Hyderabad & Sabiha Gokchen) have high growth potential with monopoly characteristics & downside protection. The company's domestic power portfolio consists of 823MW operational capacity and another 6,860MW is in pipeline; it also has 631Kms of road projects. GMR has expanded international footprint with the acquisition of coal mines (188mte), InterGen (~7,700MW installed power capacity) and Island Power Singapore (800MW). GMR has demonstrated astute ability to garner high quality and big-ticket projects with significant upside potential. Though short-term valuations are rich and funding risk remains, GMR's assets would be value-accretive in the long term and capital raising could help tide short-term concerns – we are comforted by strong management & execution capabilities. GMR is a key play on India infrastructure, capitalising on burgeoning opportunities in the sector. We initiate coverage with BUY and Rs80 target price.

- ▶ **Airports – Superior-quality monopoly assets.** GMR's portfolio consists of two busiest Indian airports (Delhi & Hyderabad with 27% market share). Despite the downturn in FY09, traffic at Delhi and Hyderabad airports has grown at 12% & 16% through FY06-09. India is estimated to be the fastest growing market at 10.4% over the next 20 years. Given the strengthening demographics, rising international traffic, emergence of low-cost carriers and better infrastructure, GMR is in a sweet spot to capitalise from these assets and new projects opening up in the Indian aero space.
- ▶ **Power & real estate to provide significant upside.** With 823MW operational capacity and 6,860MW in the pipeline, GMR is well positioned in the power sector. Further, it has internal presence with 7,700MW installed capacity via InterGen and intends to add 3,400MW globally. The company has 1,750 acres of premium land adjoining Delhi & Hyderabad airports, providing significant upside to valuations.
- ▶ **Strong management and execution capabilities.** GMR has the ability to tide through tough scenarios and has timely executed complex infrastructure projects. Despite the downturn, it has sold 29.3 acres (eight hotel plots) at Delhi International Airport (DIAL), raising Rs13.5bn as deposits with another Rs9.8bn as rental realisation.
- ▶ **Valuations.** Our sum-of-the-parts (SOTP) valuation for GMR is Rs291.8bn or Rs80.2/share, with 30% from airport & real estate and 42% from power. GMR trades at FY11E & FY12E P/E of 52.4x & 36.2x with 40% earnings CAGR in FY09-13E. Though valuations are rich in the short term, we believe GMR's superior positioning and long-term potential ensures premium valuations.

Infrastructure

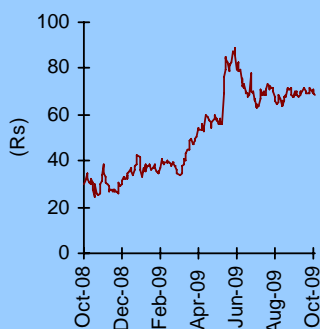
Target price Rs80

Shareholding pattern

| | Dec '08 | Mar '09 | Jun '09 |
|-------------------------|---------|---------|---------|
| Promoters | 74.1 | 74.9 | 74.4 |
| Institutional investors | 17.1 | 17.7 | 16.9 |
| MFs and UTI | 0.6 | 0.6 | 0.6 |
| Banks, FIs & Insurance | 7.9 | 7.9 | 8.0 |
| FII | 8.5 | 9.2 | 8.3 |
| Others | 8.9 | 7.4 | 8.7 |

Source: BSE

Price chart



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| | |
|-------------------------|---------------------|
| Market Cap | Rs251.2bn/US\$5.4mn |
| Reuters/Bloomberg | GMRI.BO/GMRI IN |
| Shares Outstanding (mn) | 3,667 |
| 52-week Range (Rs) | 89/25 |
| Free Float (%) | 35.6 |
| FII (%) | 8.3 |
| Daily Volume (US\$'000) | 29,200 |
| Absolute Return 3m (%) | 6.6 |
| Absolute Return 12m (%) | 131.7 |
| Sensex Return 3m (%) | 22.4 |
| Sensex Return 12m (%) | 60.0 |

| Year to March | FY09 | FY10E | FY11E | FY12E |
|--------------------|--------|--------|--------|--------|
| Revenue (Rs mn) | 40,192 | 43,572 | 51,915 | 62,007 |
| Net Income (Rs mn) | 2,795 | 2,947 | 4,796 | 6,946 |
| EPS (Rs) | 0.8 | 0.8 | 1.3 | 1.9 |
| % Chg YoY | 33.0 | 5.5 | 62.7 | 44.8 |
| P/E (x) | 89.9 | 85.2 | 52.4 | 36.2 |
| CEPS (Rs) | 1.8 | 2.4 | 3.5 | 4.9 |
| EV/E (x) | 32.5 | 23.5 | 17.3 | 14.4 |
| Dividend Yield | 0.0 | 0.0 | 0.0 | 0.0 |
| RoCE (%) | 3.3 | 3.9 | 4.2 | 4.4 |
| RoE (%) | 4.4 | 4.5 | 6.8 | 9.1 |

Please refer to important disclosures at the end of this report

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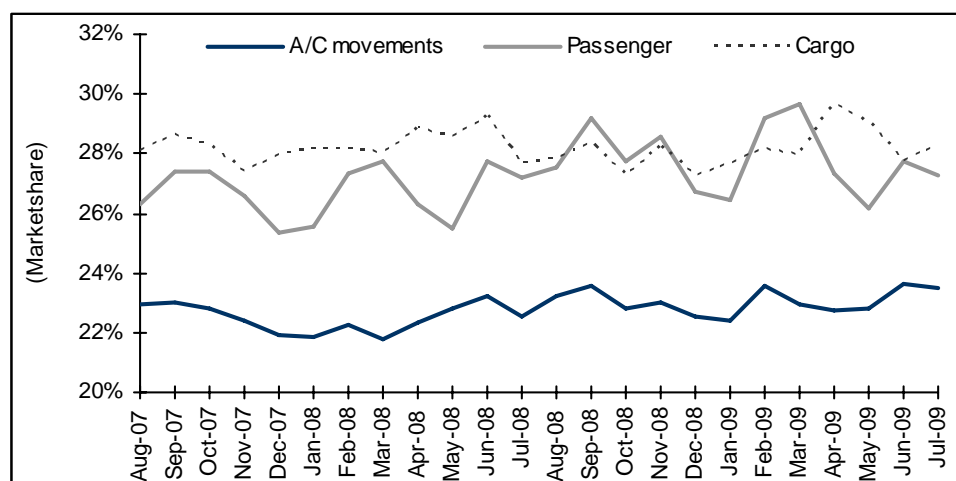
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Airports – Superior-quality monopoly assets

GMR has a portfolio of high quality airport assets with monopoly characteristics, thereby derisking its portfolio. The New Delhi and Hyderabad airports accounted for 30% of international and 25% of domestic passengers traveling to and within India respectively. They cumulatively account for 27% of air traffic movement in India and 28% of cargo traffic. According to a survey by the Airports Council International (ACI), India will be the fastest growing market at 10.4% in the next 20 years. Further, Sabiha Gokcen has seen strong traffic growth in the past few years; with traffic growth of 32% in Q1FY10, the airport would benefit from increasing domestic and international traffic led by favourable demographics and rising tourism.

GMR enjoys a guaranteed return of 11.7% on its aero assets in DIAL, which ensures that its investment is protected, while it retains the upside accruing to it from non-aero sources. The Hyderabad airport has consistently been ranked among the best airports in India and has won several awards. Overall, we believe GMR's airport portfolio is high quality with considerable downside cushion.

Chart 1: Combined market share of Delhi & Hyderabad airports



Source: AAI, I-Sec Research

The GMR asset portfolio consists two of the busiest airports in the country with a growing hinterland that could provide the company with a steady and assured stream of revenue and cashflow. Despite the downturn in FY09, traffic at Delhi & Hyderabad airports have grown at 12% and 16% through FY06-09. Traffic is set to increase further due to strengthening demographics, rising international traffic, emergence of low cost carriers and better infrastructure.

DIAL – Limited downside with upside from non-aero sources

DIAL is one of the busiest airports in the country, serving 23mn domestic and international passengers. GMR has entered into a concession agreement with the Government of India, which allows it to develop and expand the airport in five phases to a capacity of 100mn passengers per annum. The agreement is valid for 60 years, with the last phase of construction and development being concluded in '36. On completion, the airport will have an area of 17.2mn sqft with four runways and a cargo capacity of 3.6mnte. The airport will also be linked to the main city by a metro rail service being developed by DMRC. GMR has already commissioned the third terminal at DIAL with a capacity of 45mn passengers.

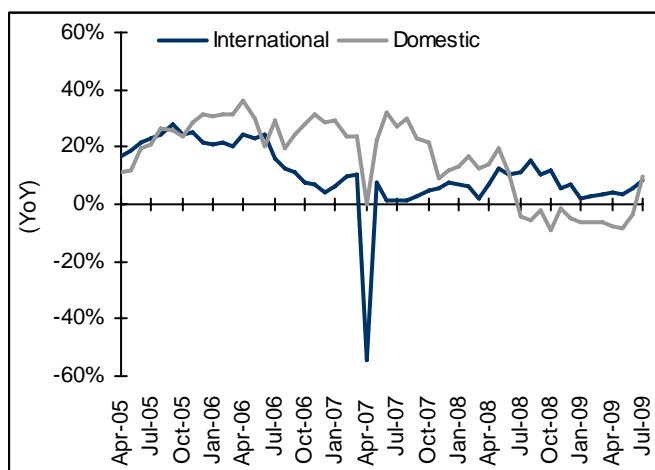
GMR has 50.1% stake in DIAL; other stakeholders include Fraport and Eraman Malaysia which hold 10% each. India Development Fund (IDF) has 3.9% stake. The Government holds the rest 26% stake through AAI.

We forecast strong traffic growth over next 10 years

Based on Delhi's premier status, favourable Delhi demographics and improving civil infrastructure, we forecast strong growth in air traffic over the next 10 years. We expect passenger traffic to post 9.3% CAGR over the next 10 years. We have assumed 6% CAGR in the next 10 years for aircraft movement. Given the underdeveloped state of air cargo logistics, we forecast 3.5% CAGR through FY09E-19E for cargo tonnage.

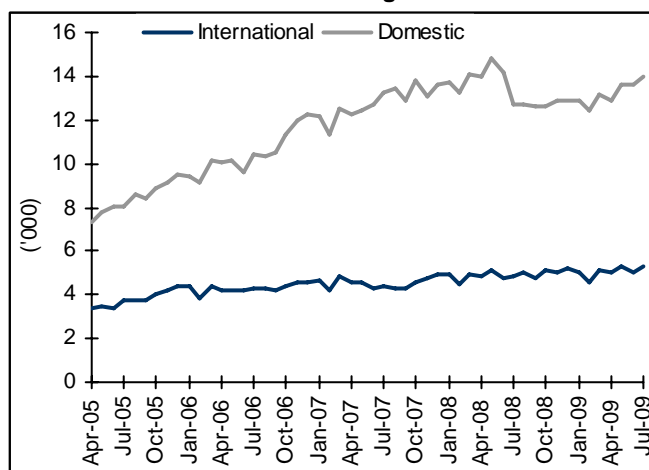
Chart 2: ATMs to continue growth despite volatility

Despite volatility in growth.....



Note: Airport Traffic Managements (ATMs); Source: AAI

.....air traffic movement at Delhi airport has been increasing



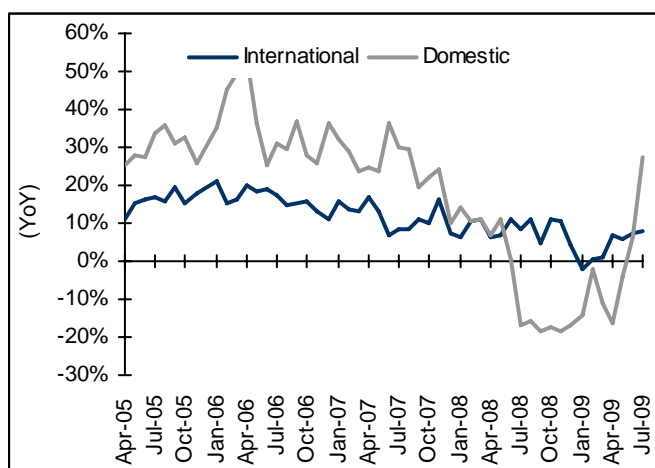
ATMs are critical to drive Delhi Airport's revenues, despite the fact that GMR is assured of an 11.6% RoE on its aero assets. Aero revenues in Delhi airport are based on a price cap formula, utilising an 11.6% return on the capital cost incurred in building infrastructure. About 30% of non-aero revenues would be used to subsidise targeted aero revenues.

ATMs are the key contributor to airports' non-aero revenues such as ground handling charges and fuel farm revenues. While the growth rate of ATMs at the Delhi airport has been volatile, it has grown at 13% CAGR over the past three years.

Passenger traffic regaining post slowdown

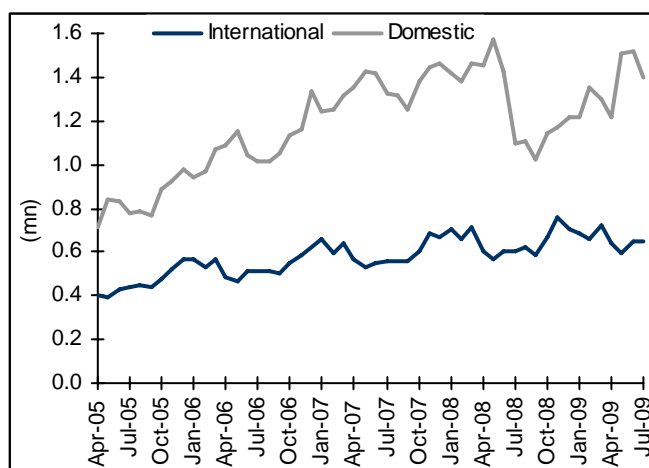
Passenger traffic was hit hard by the slowdown in the economy in '08. However, it has grown at 12% since '06 and is expected to grow at a fast pace. We expect 9.3% traffic growth over the next 10 years. Passenger traffic drives revenues from duty free establishments, food, beverage and other miscellaneous travel spends. These revenues can be significant and would provide DIAL with a steady source of cashflows.

Chart 3: Passenger traffic growth has been hit by the slowdown....



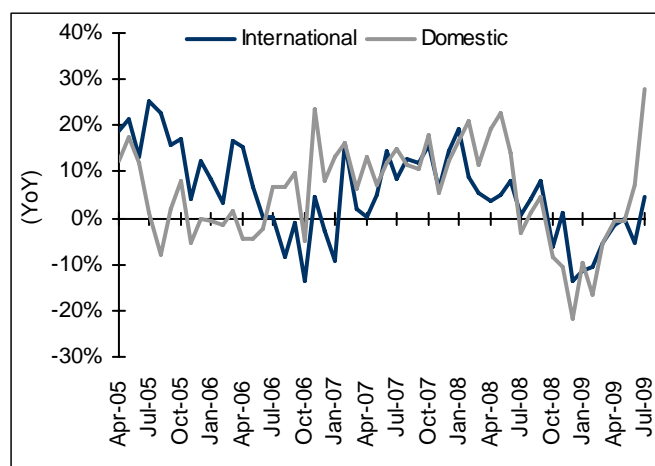
Source: AAI

Chart 4: ...but aggregate numbers remain strong

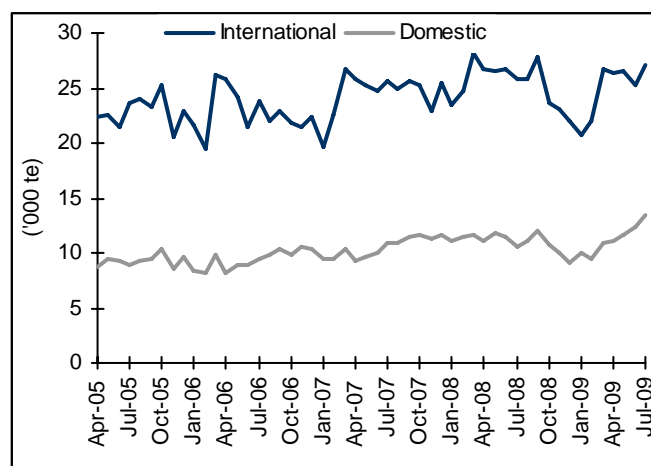


Cargo movement to provide stable revenue source

Despite monthly volatility in the growth of cargo tonnage, the aggregate number has been stable since '05, thereby giving downside protection to a large chunk of revenues from DIAL. Cargo traffic has grown at 4% through FY06-09; we expect traffic to grow at 3.5% CAGR over the next 10 years.

Chart 5: Although growth has been volatile, it has picked up lately

Source: AAI

Chart 6: Cargo tonnage has been stable

Hyderabad airport – Key value driver

GMR Hyderabad International Airport (GHIAL) is the key asset in GMR's portfolio. GMR holds a 63% stake in GHIAL, the SPV formed to develop a greenfield international airport in Hyderabad. Malaysia Airports Holdings Berhad (MAHB) holds 11% equity and would provide the necessary expertise in airport operations. The Government holds the remaining 26% stake with AAI and the Government of Andhra Pradesh (GoAP) holding 13% each.

The Hyderabad airport is India's first operational private greenfield airport project. GMR has been granted a concession period of 60 years during which it will develop the airport to handle a capacity of 40mn passengers in four phases, with a total area of 3.9mn sqft. The initial capacity for the Hyderabad airport at the time of bidding was envisaged at 5mn passengers per annum. Strong traffic growth in the interim has resulted in significant upward revision in the planned capacity in the initial phase to 12mn passengers per annum.

Unlike the Delhi airport, the Hyderabad airport does not guarantee GMR an assured RoE on aero assets, thereby allowing GMR to tap the full potential of growing passenger and aircraft traffic. This serves well to balance GMR's airport portfolio by counter balancing the capped upside in aero revenues from the Delhi airport project.

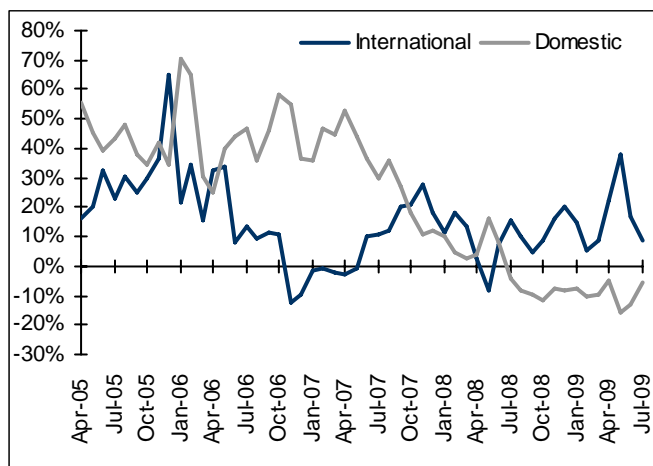
We forecast strong traffic growth in the next 10 years

Based on Hyderabad's strategic location, continued growth momentum driven by the service sector and significant capacity addition, we forecast strong growth in air traffic in the next 10 years. We forecast 10-year passenger traffic CAGR to be 10.3%, given 12% passenger traffic CAGR through FY06-09. We have assumed 9.5% growth in air traffic movement; ATMs grew at 17% CAGR over FY06-09. We have assumed 6.5% cargo tonnage CAGR through FY09E-19E; cargo grew at 13% CAGR over FY06-09. Given the underdeveloped state of air cargo logistics and low base at Hyderabad airport, we view cargo movements as a high growth opportunity.

Rapidly growing ATMs to drive value

Unlike the Delhi airport, GMR will be free to price the usage of its aero assets without a cap on its RoE. Generating incremental revenue and returns through ATM growth along with passenger traffic will assume greater importance versus DIAL. This could be positive for the company since GHIAL services a rapidly growing hinterland that would support passenger and ATM growth, thereby driving revenues and profits.

Chart 7: After setting a scorching pace, ATM growth has moderated in the slowdown



Source: AAI

Chart 8: Average monthly ATMs have almost doubled since '05 with 13% CAGR

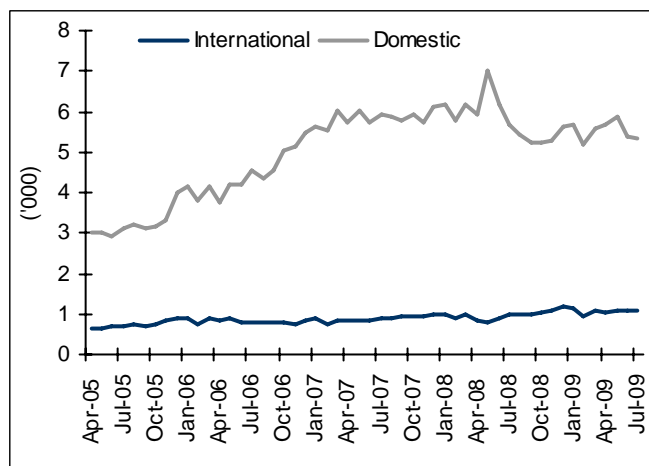
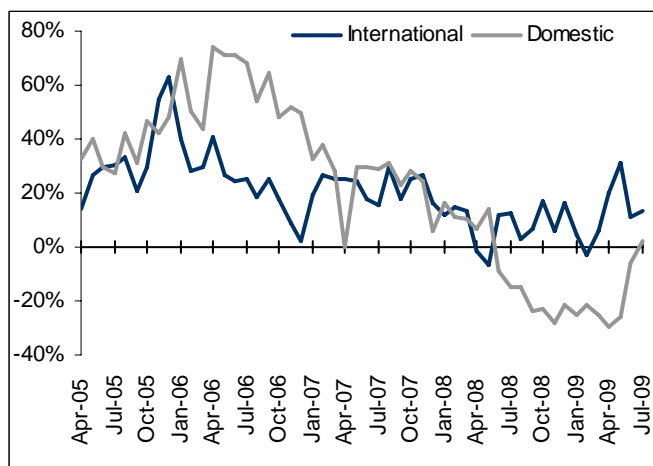


Chart 9: Passenger growth has slowed only recently...



Source: AAI

Chart 10: Passenger traffic has grown at 10% CAGR since '05

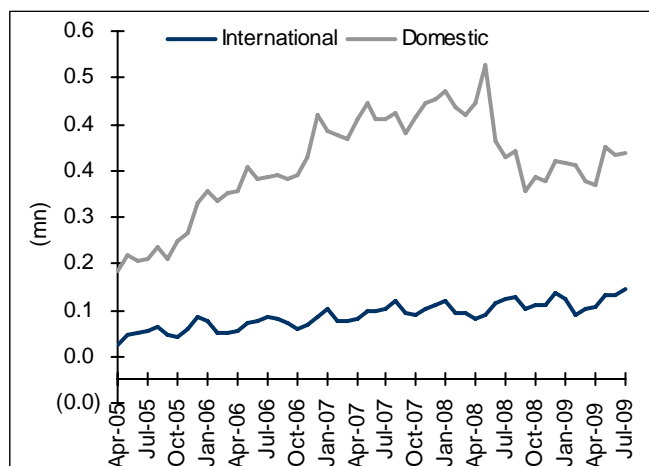
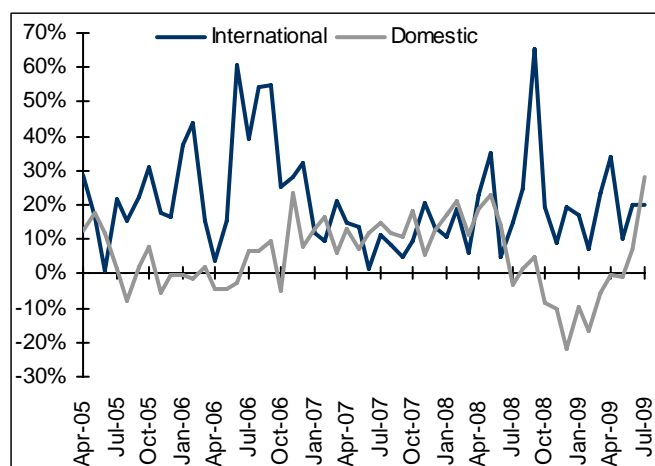
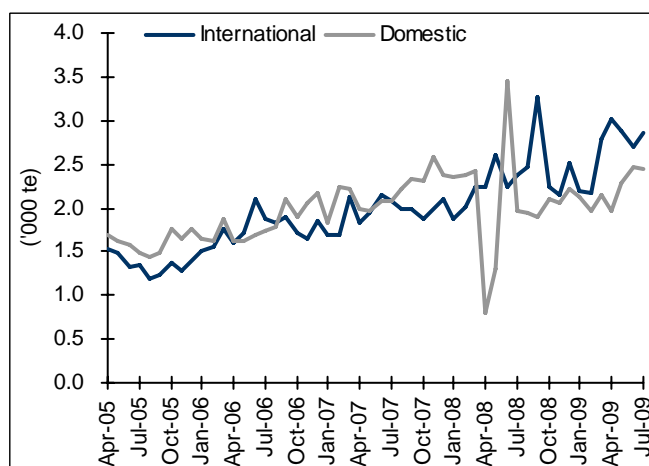


Chart 11: International cargo growth has held well even in the recent slowdown

Source: AAI

Chart 12: Cargo traffic has been increasing steadily

Sabiha Gokcen International Airport

GMR made its first foray into global infrastructure market, when it won the bid for development and management of Istanbul Sabiha Gokcen International Airport (ISGIA), Turkey. It is based on a 20-year concession period for a concession fee of €1.93bn. GMR holds 40% stake in a consortium with Limak Insaat Sanayi Ve Tic A.S. (40%) and Malaysia Airports Holdings Berhad (20%) holding the rest. The consortium has completed the construction of a new international terminal, with an estimated total project cost of €451mn. The airport will be spread across 1.9mn sqft covered space, with handling capacity of 25mn passengers and will include hotels, viaduct, apron & car parking and other related support infrastructure.

Table 1: Sabiha Gokcen – Project details

| | |
|-------------------------------|----------------|
| International Terminal | |
| Enclosed Area | 20,000 sqmt |
| Domestic Terminal | |
| Enclosed Area | 3,500 sqmt |
| Capacity | 5.5 to 6 mn |
| Cargo Terminal | |
| Enclosed Area | 7,500 sqmt |
| Capacity | 145,000 te |
| Cold air rooms | 5Nos |
| Runways and Parallel Taxiway | 45 m x 3,000 m |
| Apron Parking Capacity | 44 planes |
| Fuel pipeline | For 22 planes |

Source: Company data

Table 2: Sabiha Gokcen – Deal details

| | |
|----------------------------------|---|
| Concession period | 20 years (including construction period of 30 months*) |
| Concession fee | In lieu of revenue share, €1.93bn, to be paid in 20years with no fee payable in first three years |
| Estimated capex | €451mn |
| Means of Finance | Equity: €115; debt: €336 |
| Airport Operations taken over on | May 1, '08 |
| Financial Closure | June '08 |
| EPC Contractor | GMR – Limak Joint Venture |
| Master Planner | OveArup |

Source: Company data

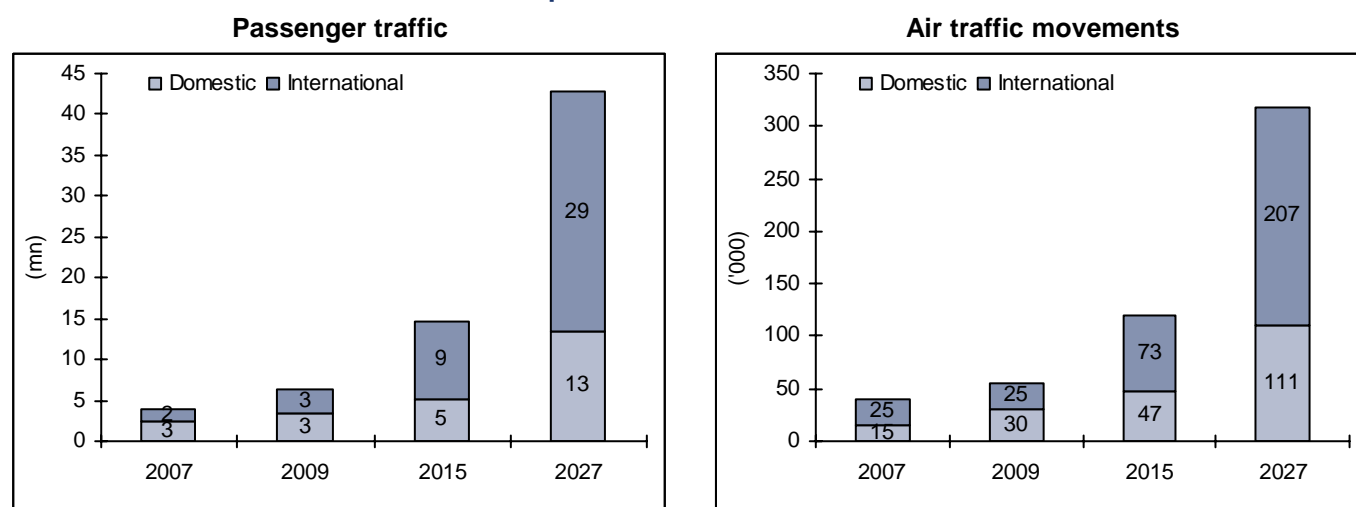
The annual passenger traffic in Turkey has been 66mn pax (domestic 29mn and international 37mn – 15% growth FY08). Sabiha Gokcen has a ~6% share of passenger traffic in Turkey; however, it would see traffic overflow from the older Ataturk International Airport. Passenger traffic at Sabiha Gokcen has been growing strongly; in Q1FY10, the traffic grew ~32% YoY.

Table 3: Traffic at Sabiha Gokcen airport

| Year (months) | Domestic | International | Total |
|-----------------------|--------------------|--------------------|--------------------|
| 2009 (first 8 months) | 2,535,124 (+37.8%) | 1,175,030 (+16.1%) | 3,710,154 (+30.1%) |
| 2008 | 2,764,856 | 1,516,337 | 4,281,193 |
| 2007 | 2,563,283 | 1,228,348 | 3,791,625 |
| 2006 | 2,153,561 | 762,893 | 2,916,454 |
| 2005 | 559,824 | 459,922 | 1,019,746 |
| 2004 | 10,323 | 235,278 | 245,601 |
| 2003 | 2,826 | 154,346 | 157,172 |

Source: I-Sec Research

Chart 13: Sobiha Gokcen International Airport



Source: Company data, I-Sec Research

Non-aero revenues to be drive revenues

Though airports are essentially air transport infrastructure, modern airports globally have larger non-aero streams compared with aero revenues. There are numerous non-aero revenue streams in an airport related to support functions for air traffic and retail spending by passengers. International airports derive up to ~50-70% of their total revenues from non-aero streams. Retail spending by passengers contributes a significant portion to non-aero revenues for most airports.

Table 4: Revenue break-up of major international airports (%)

| Percentage split of the airport revenues | Amsterdam Schiphol | BAA UK Airports | Frankfurt | Toronto | Vancouver |
|--|--------------------|-----------------|-----------|---------|-----------|
| Aeronautical Revenues | 57 | 47 | 30 | 54 | 35 |
| Non-aero Revenues | 37 | 53 | 47 | 20 | 62 |
| Other | 6 | n/a | 23 | 26 | 3 |

Source: KPMG, 2007

Table 5: Non-aero revenue streams for an airport

| ATM-related revenue stream | Non-aero revenue stream |
|-----------------------------------|--------------------------------|
| Ground handling | Convenience & specialty stores |
| Cargo handling | Duty free shops |
| Aircraft refueling | Food & beverages |
| In-flight catering | Advertisements |
| Baggage screening | Car parking |
| Landing charges | |
| Parking charges | |

Source: I-Sec Research

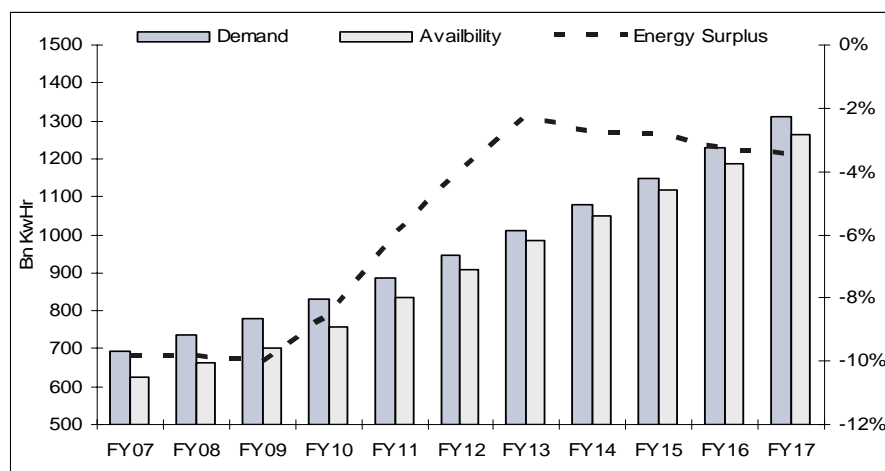
GMR's upside on three airports depends on revenues from non-aero streams. The healthy demographics at these locations should increase retail spending and air traffic movements.

Value unlocking in power and real estate

Power – Significantly large opportunity for GMR

India is seeking to add ~82,000MW capacity in XII Five Year Plan (FYP) through FY12-17, entailing an aggregate investment of ~US\$90bn. India's power deficit currently stands at ~10% and imposes a crippling cost on industrial expansion. The Government has taken concrete steps to alleviate this problem by opening up the power sector to private investment, thereby giving conglomerate infrastructure players such as GMR a unique opportunity to scale up their infrastructure portfolios. India's demand for electricity is expected to outstrip supply till FY17, notwithstanding aggressive capacity additions in the XI and XII FYPs, giving GMR's operational & upcoming power plants significant revenue visibility.

Chart 14: Deficit expected to continue beyond FY17....



Source: Power Ministry

Table 6: ...notwithstanding aggressive plans for capacity addition

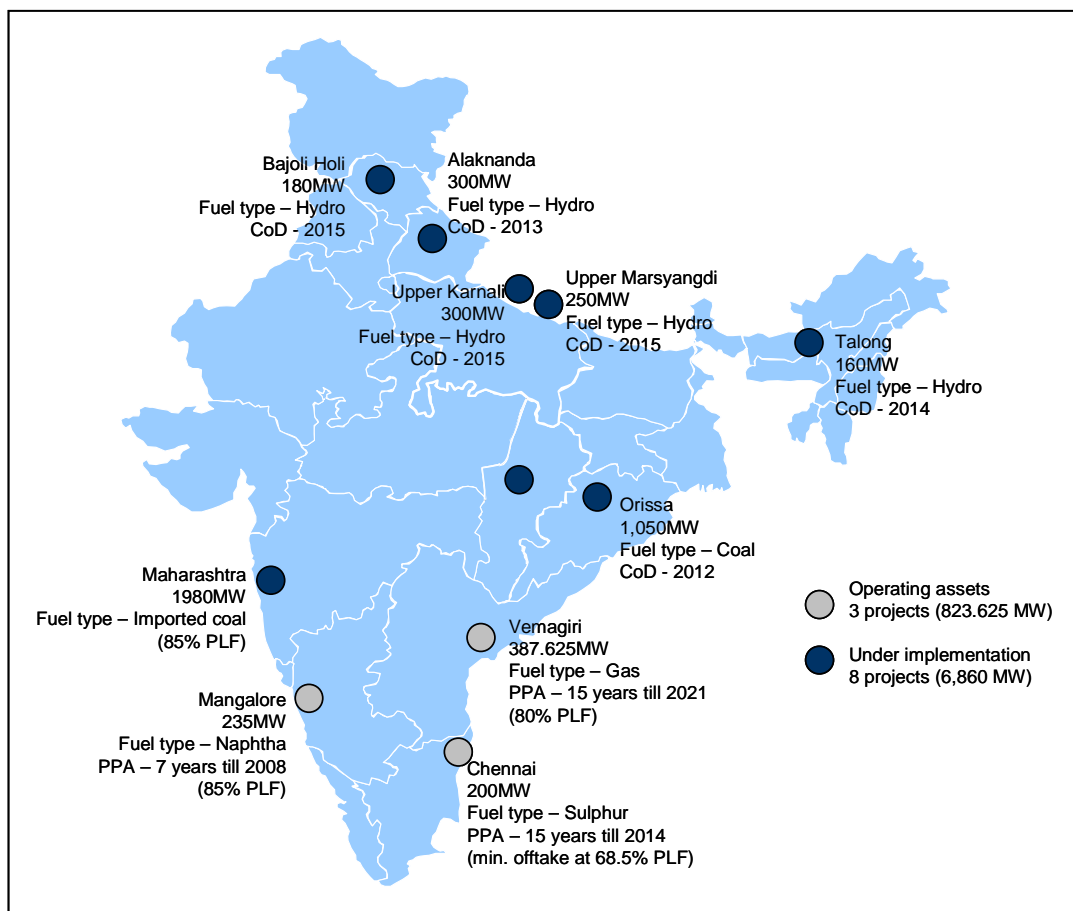
| | XI Plan | XII Plan |
|--------------|---------------|---------------|
| Thermal | 58,644 | 40,000 |
| Hydro | 16,553 | 30,000 |
| Nuclear | 3,380 | 12,000 |
| Total | 78,577 | 82,000 |

Source: Planning Commission

Power projects to drive value

GMR has an installed capacity of 823MW based on gas and liquid fuel power plants. The company has thermal and hydro power projects with 6,860MW capacity on the anvil to be commissioned between '12 and '16. GMR is developing thermal power projects worth ~5,670MW and hydro power projects worth 1,190MW that would add significant value. GMR has also progressively hedged its thermal power portfolio by acquiring mines in Sumatra and a stake in Homeland Energy, which has mines in South Africa; cumulatively capacity 188mntne. GMR could potentially create an energy portfolio valued at Rs125bn or Rs34/share, assuming timely financial closure and execution of its projects. Power assets contribute 42% to the company's value.

Chart 15: GMR's power portfolio



Source: Company data, I-Sec Research

GMR's power portfolio though still in the nascent stage holds significant potential for value accretion. GMR has also proactively hedged its exposure to coal price fluctuations by acquiring mines in Sumatra and South Africa. The company wants to structure its thermal projects with a debt equity ratio of 80:20, which could be difficult.

Table 7: GMR power portfolio

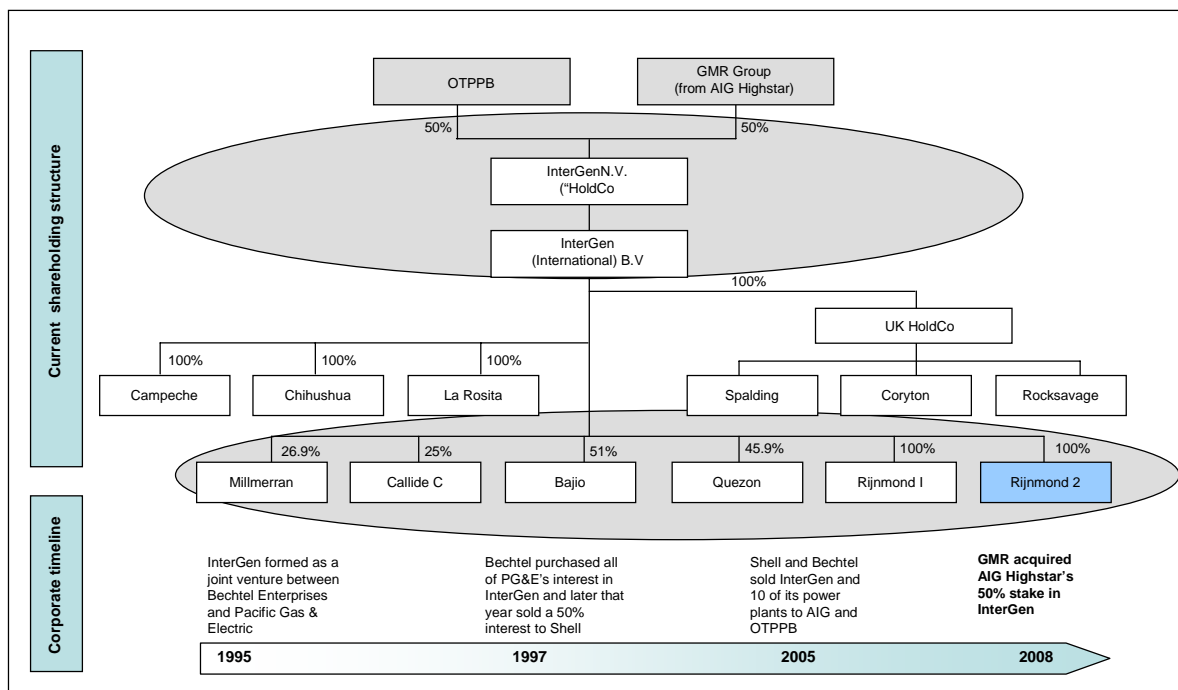
| Particulars | Location | Fuel | Capacity (MW) | Contract Type | Cost (Rs mn) | Expected COD | Project status |
|-------------------|----------------------|--------|---------------|-----------------------------|--------------|--------------|-------------------|
| GMR Energy | Mangalore, Karnataka | Naptha | 235 | Merchant | 3,949 | 2001 | Completed |
| GMR Power Corp | Chennai, TN | LSHS | 200 | PPA | 8,700 | 1999 | Completed |
| Vemagiri | Vemagiri, AP | Gas | 388.5 | PPA-Merchant | 11,500 | 2006 | Completed |
| VPGL Extension | Vemagiri, AP | Gas | 800 | PPA-Merchant | 28,000 | 2012 | Under development |
| Orissa | Kamalanga, Orissa | Coal | 1050 | PPA-Merchant-Long Term sale | 45,400 | 2012 | Under development |
| Chhattisgarh | Chhattisgarh | Coal | 1200 | PPA-Merchant-Long Term sale | 52,586 | 2013 | Under development |
| Gujarat Coastal | Gujarat | Coal | 700 | Merchant-Long Term | 32,000 | 2013 | Under development |
| AP Coastal | AP | Coal | 1320 | Merchant | 64,000 | 2012 | Under development |
| Uttarakhand | Bajoli Holi | Hydro | 300 | Merchant | 14,580 | 2014 | Under development |
| Arunachal Pradesh | Talong | Hydro | 160 | Merchant | 9,190 | 2014 | Under development |
| Himachal Pradesh | Bajoli Holi | Hydro | 180 | Merchant | 11,311 | 2015 | Under development |
| Nepal | Upper Karnali | Hydro | 300 | Merchant | 18,371 | 2015 | Under development |
| Nepal | Upper Marsyangdi | Hydro | 250 | Merchant | 16,257 | 2016 | Under development |

Source: Company, I-Sec Research

InterGen – High-quality power assets

GMR extended its global presence through the acquisition of 50% stake (US\$954mn) in InterGen, a leading global power generation company. InterGen N.V., has 7,700MW of gross operating capacity across five countries and an additional 2,800MW capacity under development. The balance 50% equity stake is held by Ontario Teachers' Pension Plan, the largest single profession pension plan in Canada with US\$108.5bn in net assets.

Chart 16: InterGen – Structure



Source: Company data, I-Sec Research

InterGen is a global power generation company with assets worth ~7,700MW in diverse geographies such as the UK, Netherlands, Australia and Mexico. The assets are profitable and located entirely in stable countries, with transparent generation and transmission policies. About 89% of the power plants are gas based and rest are coal based with average age of six years. The company has 70% of its capacity tied up for long term and the rest merchant, ensuring stable cashflows from running capacity.

Table 8: InterGen – Operational capacity

| InterGen net capacity (net of aux) | | |
|---|----------|----------|
| Operating assets | 7,658 | |
| UK | | |
| Rocksavage | 748MW | (100%) |
| Coryton | 777 MW | (100%) |
| Spalding | 860 MW | (100%) |
| Mexico | | |
| Bajio | 600 MW | (51%) |
| La Rosita | 1,100 MW | (100%) |
| Campeche facility | 252 MW | (100%) |
| Chihuahua facility | 259 MW | (100%) |
| Netherlands | | |
| Rijnmond | 820 MW | (100%) |
| The Philippines | | |
| Quezon | 460 MW | (45.87%) |
| Australia | | |
| Millmerran | 850 MW | (26.85%) |
| Callide | 920 MW | (25%) |

Source: Company data

InterGen produced an FCFE of Rs130mn in '08 and this might ramp up significantly in the coming years. GMR has invested US\$135mn as equity in InterGen and US\$1.1bn debt to acquire InterGen. InterGen on its consolidated balance sheet has additional debt of US\$4.1bn spread across various assets. Though the projects provide stable cashflows, the risk and return for GMR in InterGen is high given the leveraged acquisition.

Table 9: InterGen has a large diverse portfolio

| Project name | Fuel Type | COD | Net MW | IG ownership (%) | Operator | Project debt (Dec 08, US\$ mn) | Contract exp | Contract expansion option | Cashflow currency | Country rating |
|--------------------|-----------|---------|--------|------------------|--------------------|--------------------------------|--------------|---------------------------|-------------------|----------------|
| UK | | | | | | | | | | |
| Coryton | Gas | Dec-01 | 779 | 100 | InterGen | 0 | 2013 | 10 Years | £ | Aaa/AAA |
| Rocksavage | Gas | Jul-98 | 748 | 100 | InterGen | 0 | 2013 | 5 Years | £ | Aaa/AAA |
| Spalding | Gas | Oct-04 | 860 | 100 | InterGen | 0 | 2021 | 8 Years | £ | Aaa/AAA |
| Netherlands | | | | | | | | | | |
| Rijnmond | Gas | Jun-04 | 820 | 100 | InterGen | 631 | 2019 | NA | € | Aaa/AAA |
| MaaStroom | Gas | Q2 2010 | 428 | 100 | InterGen | 285 | 2030 | NA | € | Aaa/AAA |
| Australia | | | | | | | | | | |
| Millmerran | Coal | Feb-03 | 249 | 29.40 | Oz Gen | 187 | NA | NA | A\$ | Aaa/AAA |
| Callide C | Coal | Nov-01 | 230 | 25 | CS Energy | 107 | NA | NA | A\$ | Aaa/AAA |
| Philippines | | | | | | | | | | |
| Quezon | Coal | May-00 | 211 | 45.9 | Covanta | 193 | 2025 | NA | US\$ | B1/BB- |
| Mexico | | | | | | | | | | |
| Bajio | Gas | Mar-02 | 306 | 51 | InterGen/Tokyo Gas | 123 | 2027 | NA | US\$ | Baa1/BBB |
| La Rosita | Gas | Jul-03 | 1100 | 100 | InterGen | 0 | 2028 | NA | US\$ | Baa1/BBB |
| Campeche | Gas | May-03 | 252 | 100 | InterGen | 90 | 2028 | NA | US\$ | Baa1/BBB |
| Chihuahua | Gas | Sep-03 | 271 | 100 | InterGen | 116 | 2028 | NA | US\$ | Baa1/BBB |

Source: Company data

Island Power Corporation

The GMR Group acquired 100% stake in Island Power Singapore in May '09 for ~US\$10mn. On completion, the gas-based power plant will have 800MW operational capacity. The company expects low cost gas linkage from Indonesia and is looking at financial closure within this financial year.

Mining assets

GMR has acquired a 100% stake in the Indonesian coal mine, PT Barasentosa Lestari, with mine life of ~25 years (104mntne). The company intends to use the mine for its costal projects in Andhra Pradesh or Gujarat. Additionally, the Group has acquired 38% stake in Homeland Energy Group (HEG). HEG via its subsidiaries in South Africa owns 75% stake in the Kendel mines (24mntne) and 75% stake in Eloff mines (264mntne). Cumulatively, GMR has ownership to 188mntne; this effectively hedges its fuel risk for coming thermal power plants.

Real estate development

Real estate adjoining airport projects could add significant upside

GMR also looks well poised to realise significant returns from the land bank acquired as a part of the airport development projects in New Delhi and Hyderabad. GMR has the right to develop 250 acres land at the New Delhi airport and 1,000 acres at the Hyderabad airport. Despite the downturn, at DIAL, GMR has sold 29.3 acres (eight hotel plots), raising Rs13.5bn as upfront deposits and also has annuity income, generating a rental realisation of Rs9.8bn (at 10% discount rate). GMR could potentially raise Rs108.8bn as deposits from DIAL till FY15E and another Rs101.7bn as deposits from GHIAL over the next 20 years. We have assumed an average realisation of Rs261.4mn/acre for DIAL's land bank and Rs31.3mn/acre for GHIAL's land bank. We believe our realisation could have upside potential given that GMR's sale of 29.3 acres is at 10% higher than our price estimates; further pick-up in property market will boost property prices in these prime locations. GMR is also developing a 3,300-acre SEZ in Krishnagiri. We expect development work for the SEZ to begin in FY11. We have ascribed Rs10.5bn or Rs3.2mn/acre value to the SEZ. The company is also developing two SEZs (250 acres each) near GHIAL, it intends to set up an MRO and aero-related services SEZ in the region.

Delhi airport real estate benefits from location advantage

Unlike most modern airports, the Delhi airport is situated within city limits rather than on the outskirts. It would also benefit from better connectivity with the central business district and the satellite city of Gurgaon. A six-lane national highway connecting Delhi to Gurgaon passes via the airport. By the time the expanded capacity comes on stream, Delhi airport would be connected to the Delhi metro system. Easier access from various parts of the metropolis would increase the potential growth in traffic.

The Delhi airport has development rights over 250 acres of land. The company plans to develop a Central Business District (60 acres); work would begin in FY11. The company had recently invited bids, offerings 45 acres for development of a hospitality district. Of these 45 acres, 29 has already been leased to developers through a bidding process (60 bids were received, indicating healthy demand for the property). GMR plans to auction another 50 acres in FY11 and the rest in the next three years.

Despite the downturn, at DIAL, GMR has sold 29.3 acres (eight hotel plots) raising Rs13.5bn as upfront deposits and also has an annuity income generating a rental realisation of Rs9.8bn (at 10% discount rate). GMR could potentially raise Rs108.8bn as deposits from DIAL airport till FY15E. We have assumed average realisation of Rs261.4mn/acre for DIAL's land bank; there could be upside potential given that

GMR's sale of 29.3 acres is at 10% higher than our price estimates; further pick-up in the property market will boost property prices in these prime locations.

Hyderabad airport has a large land bank

GHIAL has been given development rights for over 1,000 acres land. As the airport is situated on the outskirts of the city, we have assumed slower development versus Delhi. We have assumed a 20-year development schedule and GMR could garner Rs101.7bn as infrastructure deposits from the GHIAL airport. We have assumed average realisation of Rs31.3mn/acre for GHIAL's land bank. GMR intends to develop the property through a mix of hotels, hospitals, commercial and residential. Further, 25 acres has already been tied up with Apollo Hospital for healthcare facilities.

SEZ development

The GMR Group has entered into an MoU with Tamil Nadu Industrial Development Corporation (TIDCO) for the development of a multi-product special economic zone (SEZ) in Krishnagiri (Tamil Nadu). The company plans to develop 3,300 acres SEZ as the first green SEZ in the country on account of its eco-friendly construction (green corridors, ecological efficiency, quality and social infrastructure) by focussing on sunrise sectors such as solar and PV with additional possibilities including biotechnology, IT, ITeS, traditional electronics and engineering industries. We expect development work for the SEZ to begin in FY11; we have ascribed Rs10.5bn or R3.2mn/acre value to the SEZ.

GMR plans to develop 250 acres aviation SEZ, which will serve as an aviation cluster in India, for which it has signed a JV with Malaysian airlines (MAE-MAS Aerospace Engineering) to develop a world class MRO facility. Agreement has also been signed with CFM, a French multinational, to setup a world class aviation training school as a part of this SEZ. The surge in air traffic in India, fuelled by the emergence of low-cost carriers, has helped an increase in fleet utilisation, which is spawning the growth in the Maintenance, Repair and Overhaul (MRO) market. The MRO industry in India is estimated at US\$800mn and has tremendous potential as carriers plan to expand their aircraft fleet. India could be a key geographical hub with nearest MRO centers at Dubai in the West and Singapore in the East.

Further, GMR plans to develop a 250-acre multi-product SEZ to create a logistics hub; tapping on location advantages and world class infrastructure at the Hyderabad International Airport. For the remaining land, property development is focussed around creating a unique, first of its kind destination for retail, entertainment and healthcare.

Roads – Cruising along

The GMR Group is a leading developer and operator of highways business in India and holds concessions for eight highway projects, measuring a total length of ~631Kms. These projects are a diversified and a balanced mix of four annuity and four toll-based projects. Within the eight projects, six road projects have become operational.

The Group has recently won two road projects, the 181Kms Hyderabad-Vijayawada project in Andhra Pradesh on toll basis and 29Kms Chennai Outer Ring Road state

project in Tamil Nadu on an annuity basis. Both the projects will be built on BOT basis. Going forward, the company will participate in six-laning and other corridor projects of the NHDP in India. These projects have a capital spend of Rs30bn with equity requirement of Rs5.4bn.

Table 10: Road projects implemented/under implementation

| Particulars | GTAEPL | GTTEPL | GACEPL | GPEPL | GJEPL | GUEPL | GTAEPL | GUEPL |
|-----------------------------------|--|---------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------------|
| Location | Tuni-Anakapalli | Tambaram-Tindivanam | Ambala-Chandigarh | Pochanpalli | Faruknagar-Jadcherla | Tindivanam-Ulundurpet | Chennai outer ring road | Hyderabad-Vijaywada expressway |
| Road Length (Kms) | 59 | 93 | 35 | Construct -86 + O&M Sweetener -27 | Construct -46 + O&M Sweetener -25 | Construct -73 | 29 | 163 |
| Concession Period (years) | 17.5 incl. construction period of 2.5. | 17.5 incl. construction period of 2.5 | 20 incl. construction period of 2.5 | 20 incl. construction Period of 2.5 | 20 incl. construction period of 2.5 | 20 incl. Construction Period of 2.5 | 20 | 25 |
| Concession duration | May 2002-Nov 2019 | May 2002-Nov 2019 | May 2006-May 2026 | Sep 2006-Sep 2026 | Aug 2006 - Aug. 2026 | Oct 2006 - Oct 2026 | Feb 1, 2010-Jan 30, 2030 | Jan 8, 2010-Jan 7, 2035 |
| Project Cost (Rs mn) | 3,040 | 3,900 | 4,985 | 6,900 | 4,713 | 7,950 | 10,643 | 19,340 |
| Financial Closure | Jun-02 | Jun-02 | May-06 | Sep-06 | Aug-06 | Oct-06 | | |
| Commercial Operation Date | Oct-04 | Oct-04 | Nov-08 | Mar-09 | Feb-09 | Apr-09 | Aug-12 | Apr-12 |
| Project status as of 30th June 08 | Started Commercial Operations | Started Commercial Operations | Started Commercial Operations | Started Commercial Operations | Started Commercial Operations | Started Commercial Operations | Awarded | Awarded |
| Concession Type | Annuity | Annuity | Toll | Annuity | Toll | Toll | Annuity | Toll |
| Completed | | | | | | | Aug-12 | Apr-12 |

Source: Company data

The GMR - Punj Lloyd consortium has been short listed for three road projects under auction by NHAI:

Table 11: Projects under auction

| Sr. No. | Title | Project Model | Consortium |
|---------|--|---------------|------------------|
| 1 | Six-laning of Udaipur - Ahmedabad section of NH-8 (total length 242.51Kms) to be executed as BOT on DBFO Pattern under NHDP Phase V | Toll | GMR - Punj Lloyd |
| 2 | Six laning of Samakhiali - Gandhidham section of NH-8A (total length of 56.16Kms) to be executed as BOT on DBFO Pattern under NHDP Phase V | Toll | GMR - Punj Lloyd |
| 3 | Six laning of Pune - Satara Section of NH-4 from 725Kms to 865.35Kms (length – 140.35Kms) in Maharashtra to be executed as BOT on DBFO Pattern under NHDP Phase V as BOT on DBFO Pattern | Toll | GMR - Punj Lloyd |

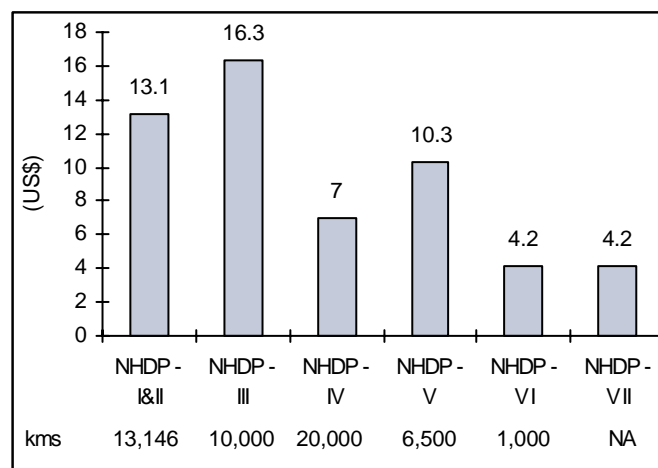
Source: Company data, I-Sec Research

Apart from these projects, we believe few more road projects under auction can be considered for bidding.

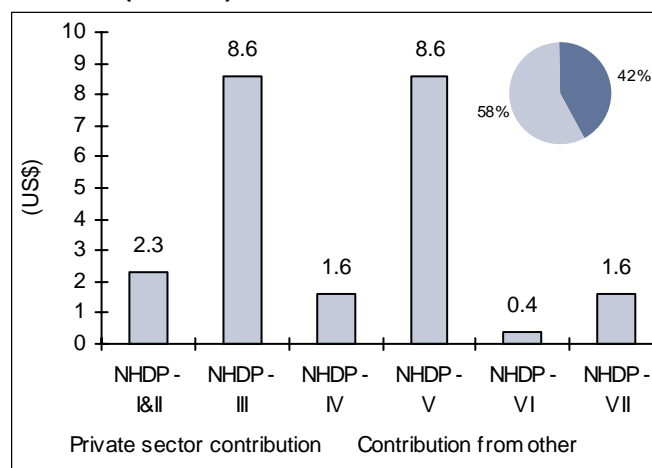
Table 12: Planned road projects

| Sr. No. | Title | Project Model | Indicative project cost (Rs. bn) | Last date of bidding |
|---------|--|---------------|----------------------------------|----------------------|
| 1 | Six-laning of Belgaum-Dharwad section of NH-4 to 515Kms from 433Kms (length – 79.36Kms) be executed as BOT on DBFO pattern under NHDP Phase – V | Toll | 4.8 | July 17, 2009 |
| 2 | Six-laning of Indore-Dewas section of NH-3 from 577.550Kms to 610Kms to be executed as BOT on DBFO pattern under NHDP Phase – V | Toll | 3.25 | July 17, 2009 |
| 3 | Consulting Services as Independent Engineer during Operation & Maintenance of 4-lane divided carriageway, facility constructed on BOT of Panagarh- Palsit- Dankuni Section from km 517Km to 645.6Kms of NH-2 in the State of West Bengal | Annuity | N/A | June 08, 2009 |
| 4 | Design, engineering, finance, construction, operation and maintenance of four-laning of Devihalli - Hassan section of NH - 48 from 110Kms to 189.5Kms under NHDP Phase III on DBFOT basis | Toll | 4.53 | July 13, 2009 |
| 5 | Six laning of Nellore - Chikaluripet section of NH-5 in the state of Andhra Pradesh | Toll | 14.65 | July 13, 2009 |
| 6 | Four laning of Coimbatore – Mettupalayam section km 328Km to 383.2Kms of NH-67 in the state of Tamil Nadu on DBFOT basis | Toll | 5.0 | N/A |
| 7 | Dalkola-Islampur-Purnea- Gayakota (500Kms – 410Kms of NH-31) & Purnea-Forbesganj- (230Kms to 309Kms of NH-57) | | 1.70 | July 02, 2009 |
| 8 | Independent Engineering Services for the work of six-laning of Vadakkancherry – Thrissur section of NH-47 (240Kms to 270Kms) – Package NS-2/BOT/KL-3 under NHDP Phase – II in the State of Kerala | Toll | 6.17 | June 30, 2009 |
| 9 | Operation and Maintenance of Palanpur - Radhanpur Section (340Kms to 458Kms) of NH-14 and Radhanpur- Samakhiali Section (138.8Kms to 281.3Kms) of NH-15 on OMT basis | Toll | 170 | June 19, 2009 |

Source: I-Sec Research

Chart 17: Private sector participation opportunities**NHDP has planned expenditure of US\$48bn by '12**

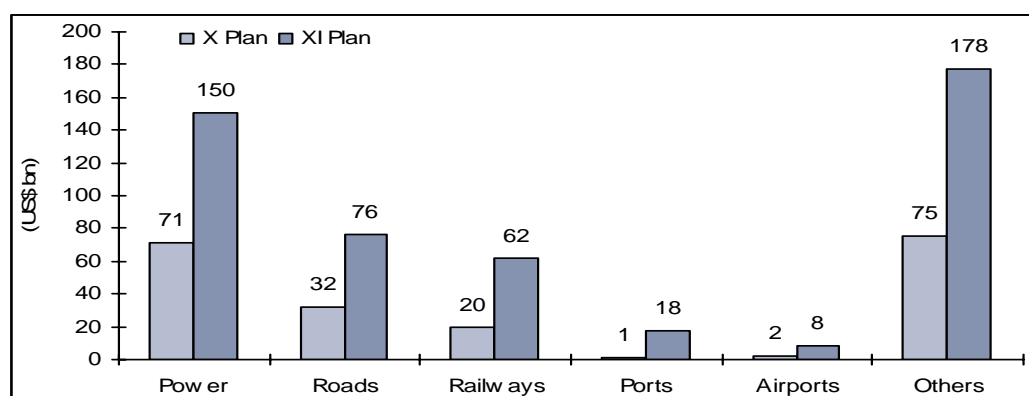
Source: NHDP

Opportunity for private sector participation worth US\$23bn ('08-12E)

Strong management and execution capabilities

GMR is among the first business groups in India to recognise the value proposition of owning monopoly assets in high-growth but supply constrained infrastructure sector. GMR's entry into infrastructure was through power generation, where it was an early entrant. The company faced setbacks from early entry to emerge as a key power generator in India. GMR remains a key proxy on infrastructure development in India.

Chart 18: Increased plan allocation for infrastructure



Source: Planning commission, GOI

GMR has superior capability in managing the regulatory environment, which is critical for infrastructure developers in India. The company has gained significant experience in dealing with a wide spectrum of regulatory bodies.

GMR is among the best executors on infra projects in India. Its two operational road concessions were commissioned before schedule resulting in bonus payments. GMR has been very successful in executing highly complex infrastructure projects in a timely fashion. It has completed the Hyderabad airport before schedule and met all the deadlines for the Delhi airport notwithstanding complications such as Government approvals involved in the projects. The company has a professional management, with well qualified and well trained middle level managers who are well versed in the nuances of the sector. This provides GMR with significant comfort in terms of its ability to realise its strategies to fruition.

Table 13: GMR has executed complex and diverse projects on time

| Project | Sector | Completion |
|---------------------------|----------|------------|
| Adloor Yellareddy Highway | Roads | On Time |
| Ambala Chandigarh Highway | Roads | On Time |
| Farukhnagar-Jadcherla | Roads | On Time |
| Tindivanam Unlunderpet | Roads | On Time |
| GHIAL | Airports | On Time |
| DIAL Runway | Airports | On Time |
| Terminal 1D | Airports | On Time |
| Terminal T3 | Airports | On Time |

Source: Company data, I-Sec Research

Table 14: DIAL working on aggressive commissioning schedules

| Airport | Capacity (in mn passengers) | Execution time (in months) |
|----------------------------|-----------------------------|----------------------------|
| Changi Airport - Singapore | 22 | 76 |
| Heathrow T5- London | 25 | 60 |
| Beijing Airport T3 | 45 | 60 |
| DIAL IGI Airport T3 | 34 | 37 |

Source: Industry, I-Sec Research

Valuations

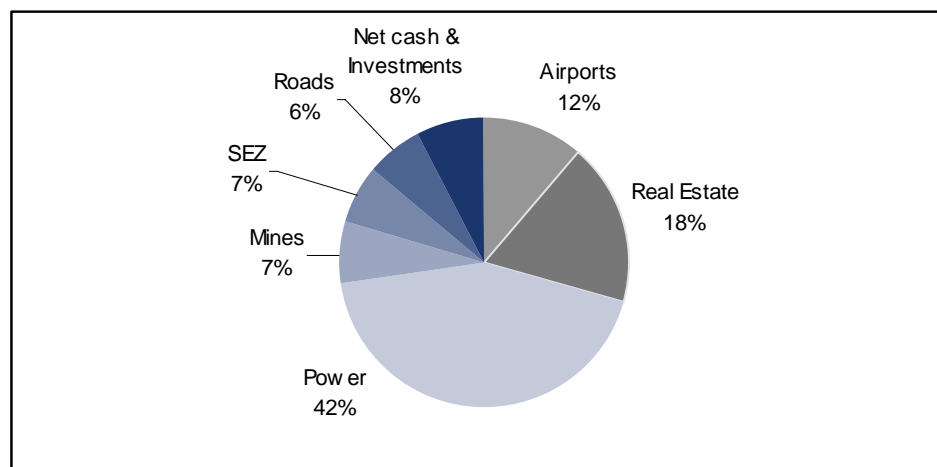
We have valued GMR Infrastructure on SOTP, valuing all the businesses separately. We value GMR at Rs291.8bn or Rs80.2/share based on 12% cost to equity (Ke) for airport projects, 12% Ke for operational power plants and road projects and 14-16% for under implementation and under development power projects. We have assumed 14% Ke for all mining, real estate and SEZ assets. Power contributes 42% to the valuations, with airport and its related real estate contributing another 30%.

Table 15: GMR – Infrastructure valuation

| Sector | GIL's equity value (Rs mn) | Value per GIL's share (Rs) |
|------------------------|----------------------------|----------------------------|
| Airports | 33,637 | 9 |
| Real estate | 52,466 | 14 |
| Power | 125,362 | 34 |
| Mines | 20,298 | 6 |
| SEZ | 19,529 | 5 |
| Roads | 18,233 | 5 |
| Net cash & investments | 22,268 | 6 |
| GIL's valuation | 291,793 | 80.2 |

Source: I-Sec Research

Chart 19: Valuation break-up



Source: I-Sec Research

Airports

We have valued airports assets at Rs33.6bn or Rs9.2/share, valuing all the three operational assets at Ke of 12%. We believe the Hyderabad airport contributes the most to the overall airport valuation.

Table 16: Airports assets

| Project | Cost of equity (%) | GIL's equity value (Rs mn) | Value per GIL's share (Rs) |
|---------------------------------|--------------------|----------------------------|----------------------------|
| DIAL | 12.0 | 13,877 | 3.81 |
| GHIAL | 12.0 | 17,284 | 4.75 |
| SGIA | 12.0 | 2,477 | 0.68 |
| Airport assets valuation | | 33,637 | 9.24 |

Source: I-Sec Research

Power & mining assets

We have valued GMR's overall power portfolio (823MW operational & 6,860MW pipeline) at Rs125.3bn or Rs34.4/share, based on 12% Ke for operational projects and 14-16% Ke for pipeline projects. We have not factored in Emco (600MW) and Island Power Singapore (800MW) in our valuations.

Table 17: Power portfolio – Valuations

| Project | Cost of equity (%) | GIL's equity value (Rs mn) | Value Per GIL's share (Rs) |
|-------------------------------|--------------------|----------------------------|----------------------------|
| GEL (after relocation) | 12.0 | 9,374 | 2.58 |
| GMR Power (Chennai) | 12.0 | 3,913 | 1.08 |
| VPGL | 12.0 | 21,179 | 5.82 |
| VPGL Expansion | 14.0 | 13,038 | 3.58 |
| Kamalanga | 14.0 | 23,554 | 6.47 |
| Chhattisgarh | 15.0 | 25,647 | 7.05 |
| Gujarat Coastal | 16.0 | 10,643 | 2.92 |
| AP Coastal | 16.0 | 4,353 | 1.20 |
| Alaknanda | 16.0 | 3,813 | 1.05 |
| Bajoli Holi | 16.0 | 1,225 | 0.34 |
| Talong | 16.0 | 793 | 0.22 |
| Upper Karnali | 16.0 | 2,325 | 0.64 |
| Upper Marsyangadi | 16.0 | 5,504 | 1.51 |
| Power assets valuation | | 125,362 | 34.44 |

Source: I-Sec Research

Mining assets are valued at Rs20.3bn or Rs5.6/share.

Table 18: Mining portfolio – Valuations

| Project | Cost of equity (%) | GIL's equity value (Rs mn) | Value per GIL's share (Rs) |
|--------------------------------|--------------------|----------------------------|----------------------------|
| Indonesian Mines | 14.0 | 8,841 | 2.43 |
| Eloff | 14.0 | 8,351 | 2.29 |
| Kendal | 14.0 | 3,106 | 0.85 |
| Mining Assets Valuation | | 20,297 | 5.58 |

Source: I-Sec Research

Real estate valuations

We have valued the airport real estate at Rs52.5bn or Rs14.4/share and the remaining SEZ land-bank at Rs19.6bn or Rs5.4/share.

Table 19: Real estate – Valuations

| Project | Cost of equity (%) | GIL's equity value (Rs mn) | Value per GIL's share (Rs) |
|--------------------------------|--------------------|----------------------------|----------------------------|
| DIAL real estate | 14.0 | 32,745 | 9.00 |
| GHIAL real estate | 14.0 | 19,721 | 5.42 |
| Real estate's valuation | | 52,466 | 14.41 |

Source: I-Sec Research

Table 20: SEZ – Valuations

| Project | Cost of Equity (%) | GIL's Equity Value (Rs mn) | Value Per GIL's share (Rs) |
|-------------------------|--------------------|----------------------------|----------------------------|
| Krishnagiri | 14.0 | 9,960 | 2.74 |
| Hyd SEZ MP | 14.0 | 5,325 | 1.46 |
| Hyd SEZ Aviation | 14.0 | 4,244 | 1.17 |
| SEZ's valuations | | 19,529 | 5.37 |

Source: I-Sec Research

Road assets valuations

We have valued the road assets at Rs18.2bn or Rs5/share.

Table 21: Road assets – Valuations

| Project | Cost of equity (%) | GIL's equity value (Rs mn) | Value Per GIL's share (Rs) |
|------------------------------|--------------------|----------------------------|----------------------------|
| GPEPL | 12.0 | 2,900 | 0.80 |
| GTTEPL | 12.0 | 1,127 | 0.31 |
| GTAEPPL | 12.0 | 966 | 0.27 |
| GACEPL | 12.0 | 180 | 0.05 |
| GJEPL | 12.0 | 4,100 | 1.13 |
| GUEPL | 12.0 | 7,350 | 2.02 |
| GHVEL & GCOR | 1.3x BV | 1,610 | 0.44 |
| Road assets valuation | | 18,233 | 5.01 |

Source: I-Sec Research

Funding risk remains

We expect GMR to require external funding of Rs5-10bn in the next one year to meet its funding requirements.

We estimate GMR's power portfolio to require Rs20bn funding over the next couple of years. Further, the company's Emco and Island power projects would need additional funding. GMR does have ~Rs15bn reserves in total, including reserves at the parent and power projects to partly fund the capex of the projects. We estimate GMR to require Rs5-7bn external funding to meet its capital requirements. The company might partly fund its power projects from the deposits collected from its real estate assets.

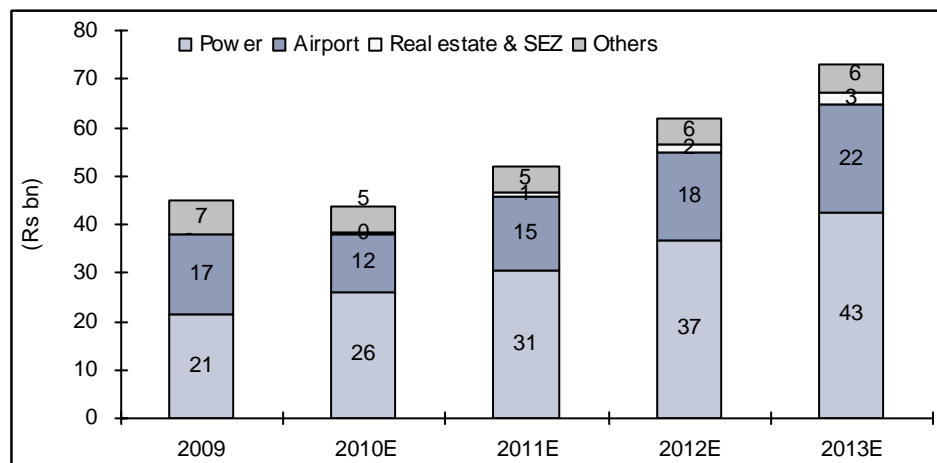
GMR needs to generate real estate deposits of at least Rs20bn in the next four years to remain cashflow neutral. Further, two new acquired road projects would also require equity infusion of Rs5.4bn, which can only be partly funded from existing roads projects, requiring an additional infusion of Rs2-3bn.

Financials

Revenue & PAT CAGR of 16% & 40% through FY09E-13E

We expect GMR to post revenue CAGR of 16% over FY09E-13E, led by boost from airport & power earnings. We expect power to drive earnings growth. We anticipate revenue contribution from the power business to increase to 58% by FY13E from 48% in FY09. We expect revenue CAGR from power & airport to be 19% & 16% (excluding concession fee) through FY09E-13E.

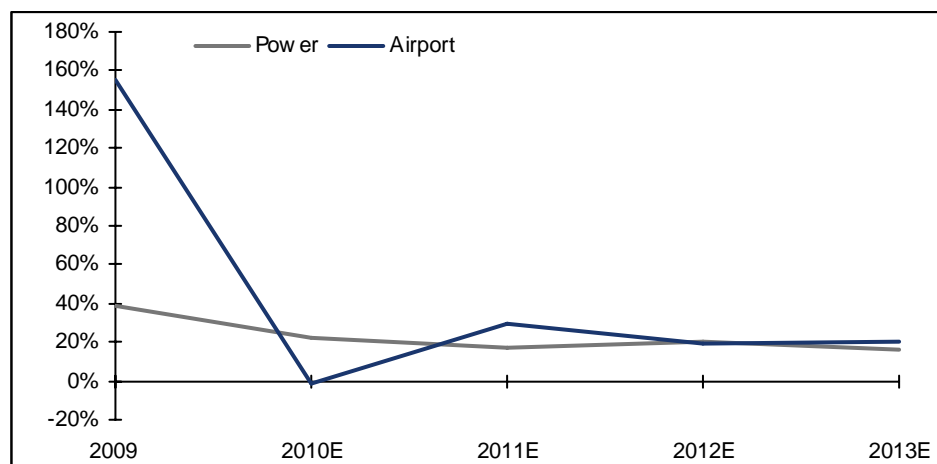
Chart 20: Revenue break-up & growth



Source: I-Sec Research

We believe power will lead to stable revenues, profits and cashflows post FY12 when new power plants come on stream; similarly airports are likely to contribute stable cashflows post FY11, when most of the capacities are on stream and passenger/cargo traffic picks up. Roads are currently a mix of both annuity and toll-based projects; hence, cashflows are likely to be stable throughout.

Chart 21: Growth in power & airport revenues



Source: I-Sec Research

EBITDA margins to expand significantly by FY12-13

We believe going forward, GMR's operating margins will expand to 55% by FY13E from the current 27% in FY09, primarily as incremental revenues will come in at low operating costs as all revenue generating assets will be on-stream by then and fixed cost on the same already incurred. Further, we expect real estate and mining to enjoy significantly higher margin.

GMR's RoE is low at 4.5x in FY10E since the company is still in capex stage; however, we expect it to increase to 12.7x by FY13E as these assets starts generating superior returns.

Significant risks

Policy ambiguity for airport projects

The airport projects being developed by GMR carry some amount of policy ambiguity and an adverse interpretation of the rules could damage profitability and returns. GMR has faced some policy resistance recently concerning raising deposits from real estate deals for funding the Delhi airport and also with respect to forming JVs for operating duty free establishments at the same airport. Although GMR has shown remarkable skill in managing the policy environment on the above issues, the fact that airport privatisation has never been tried before in India might lead to more grey areas, where policy interpretation by the Government could be crucial.

Cashflows may be lumpy

GMR's cashflows will be lumpy given that the bulk would accrue in the short term from real estate projects ancillary to its airports. While GMR has been able to ride out the downturn in the real estate sector by holding on to the assets and not monetising them at fire sale prices, it might be hard pressed to do so in future because of its funding requirements. The company needs to generate real estate deposits of at least Rs20bn in the next four years to remain cashflow neutral. Further, two new road projects acquired would also require equity infusing of Rs5.4bn, which can only be partly funded from existing roads projects, requiring an additional infusion of Rs2-3bn.

Lack of cash inflows could impact the development schedule for GMR.

Table 22: GMR will remain dependent on real estate deposits and long-term debt for funding capex

(Rs mn)

| Consolidated cashflows | FY10E | FY11E | FY12E | FY13E | FY14E | FY15E |
|----------------------------------|--------------|---------------|---------------|---------------|---------------|---------------|
| Operating cashflows | 16,141 | 23,963 | 31,806 | 40,073 | 75,261 | 97,134 |
| Deposits | 8,827 | 12,710 | 25,930 | 23,278 | 38,055 | 29,354 |
| Long-term loans | 49,012 | 46,660 | 66,919 | 47,460 | 26,236 | 25,868 |
| Total non operating cash inflows | 19,956 | 6,128 | 2,744 | 2,679 | 13,213 | 6,642 |
| Capex | (81,273) | (58,113) | (89,198) | (66,211) | (41,763) | (41,377) |
| Loan repayment | (2,605) | (3,972) | (7,572) | (7,958) | (21,217) | (19,597) |
| Interest | (7,246) | (10,944) | (12,305) | (13,296) | (19,544) | (26,139) |
| Other cash outflows | (424) | (4,043) | (3,801) | (4,541) | (16,534) | (15,166) |
| Total cash outflows | 2,388 | 12,388 | 14,522 | 21,486 | 53,707 | 56,719 |

Source: I-Sec Research

GMR is dependent on cashflows from its real estate projects to meet the funding requirements. The company needs to generate deposits of at least Rs20bn in the next four years to remain cashflow neutral.

Table 23: Power projects will require significant long-term funding

(Rs mn)

| Power cashflows | FY10E | FY11E | FY12E | FY13E | FY14E | FY15E |
|--|-----------------|----------------|----------------|----------------|---------------|---------------|
| Operating cashflows | 6,761 | 12,075 | 16,508 | 19,653 | 50,146 | 70,192 |
| Debt | 31,091 | 46,488 | 66,005 | 47,156 | 20,981 | 13,411 |
| Total non operating cash inflows | 311 | 625 | 2,142 | 1,910 | 12,398 | 5,940 |
| Capex | (45,913) | (55,077) | (84,600) | (61,706) | (27,195) | (16,810) |
| Other cash outflow (including interest cost) | (3,125) | (5,802) | (6,720) | (8,901) | (39,516) | (42,041) |
| Net cashflow | (10,875) | (1,691) | (6,664) | (1,888) | 16,814 | 30,691 |

Source: I-Sec Research

We estimate GMR's power portfolio to require Rs20bn funding over the next couple of years. GMR does have ~Rs15bn reserves in total, including reserves at the parent and power projects to partly fund the projects. Further, company's Emco and Island Power projects would additional funding. We estimate Rs5-7bn external funding to meet GMR's capital requirements. The company might partly fund its power projects from the deposits collected in its real estate assets.

Table 24: Airports' cashflow to remain weak

(Rs mn)

| Airports cashflows | FY10E | FY11E | FY12E | FY13E | FY14E | FY15E |
|----------------------------------|---------------|----------------|----------------|--------------|--------------|----------------|
| Operating cashflows | 4,761 | 7,122 | 9,421 | 13,415 | 16,445 | 17,492 |
| Debt | 17,921 | 0 | 0 | 0 | 5,124 | 12,457 |
| Total non operating cash inflows | 25,731 | 636 | 531 | 558 | 586 | 482 |
| Capex | (33,112) | 0 | 0 | 0 | (9,223) | (20,223) |
| Debt & interest cost | (3,375) | (8,449) | (12,055) | (11,621) | (11,071) | (11,423) |
| Other cash outflow | 159 | (655) | (513) | (662) | (809) | (1,069) |
| Net cashflow | 12,085 | (1,346) | (2,617) | 1,690 | 1,052 | (2,283) |

Source: I-Sec Research

We do not expect airport portfolio to generate any significant cashflows for GMR. The airport assets require ~Rs4bn in FY11E-12E which would be funded by Rs15bn cash reserves generated from debt, real estate deposits and ADF in FY10E. However, we do not foresee further funding gap for airport portfolio.

Return assumptions aggressive, volatility could upset valuations. The return on capital assumptions used in valuing GMR is aggressive. Increase in volatility in the capital markets and increased risk aversion could undermine valuations.

Implementation delays in road projects. Road projects under the National Highway Development Programme have witnessed significant implementation delays due to right-of-way and land acquisition issues.

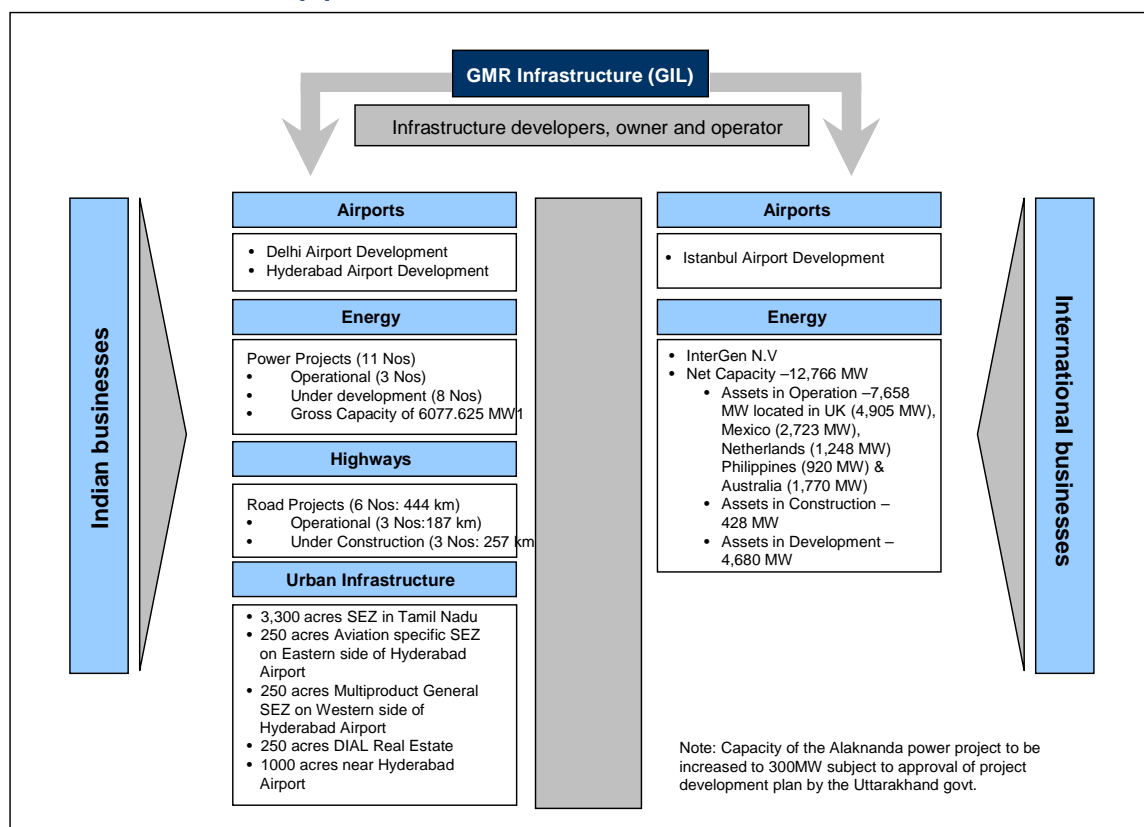
Economic slowdown would impact our traffic assumptions. In addition to the portfolio-specific risk, general macroeconomic slowdown could impact valuations for GMR. Given the low penetration of air travel in India, continued momentum in the broader economy and rising affordability, we forecast strong growth in air traffic over the next 10 years. A sharp slowdown in the Indian economy could lower the trajectory of both domestic and international traffic growth. Global slowdown would impact growth in international traffic. Further our road traffic assumptions would also get impacted by slowdown in economic activity.

Company profile

GMR is the flagship company of the GMR Group, promoted by Mr G. M. Rao. The promoter group was initially active in the agri business and the banking sector and controlled the Vysya Bank, the largest private sector bank in India, before banking sector reforms and subsequent sale to ING. GMR follows the developer model for infrastructure projects across different verticals – power, roads, airports, and urban infrastructure. The Group is headed by Mr G.M. Rao, who also heads the promoter group, which holds 74%. The promoter group is closely involved with the management of each vertical. Each business head is supported by a strong group of professionals.

GMR is headquartered in Bangalore. It is India's leading infrastructure asset owner, with concession for India's busiest airport, Delhi and the fastest growing airport, Hyderabad. It also has power plants, totalling 823MW and roads totaling 631Kms, which are operational. Besides, it has a long pipeline of projects under development. GMR also owns stakes in Sabiha Gokcen Airport, Istanbul and InterGen, a global power generation company.

Chart 22: GMR – Group profile



Source: Company, I-Sec Research

Chart 23: GMR – Management team

| Airport sector | Urban infrastructure & highways sector | Corporate Function |
|---|---|---|
| Mr. G Kiran Kumar – Chairman <ul style="list-style-type: none"> B. S. Shantharaju, CEO Andrew Harrison, COO Prabhakara Rao, CEO-Airport Development Gavin Makechnie, Chief Commercial officer M.S.Narayanan, VP-Finance K N Rao, Head-Corporate Relation SIS Ahmed, Executive Director-Security | Mr. Srinivas Bommidala-Chairman <ul style="list-style-type: none"> Raju, MD & CEO-Highways V Jayaraman, COO–Property Development Gopala Krishna Kishore, COO-SEZ D.R Santhana Krishna, CFO -Highways Kamalakararao Y, CFO-SEZ & Property | Mr. GBS Raju-Chairman Corporate <ul style="list-style-type: none"> Ranjit Murugason, CEO Madhu Terdal, COO Cenk Alpsoy–CEO, Turkey |
| GHIAL <ul style="list-style-type: none"> P.S.Nair, CEO Peter Noyce, COO A. Vishwanath, Chief Commercial Officer Mr. G.R.K Babu, Head-Finance | Energy Sector Mr. B V N Rao-Chairman <ul style="list-style-type: none"> Raajkumar, CEO G.Subba Rao, President Hydro Energy Avinash R Shah, EVP-Business Development R. K Goel, Project Director-Transmission K V V Rao, Director & President -Kamalanga S N Barde, EVP–O & M Ashish Basu, EVP–Commercial & Contracts G R Srinivasan–Advisor Nuclear Power Business | Corporate Services Finance & Systems <ul style="list-style-type: none"> Subba Rao, Group CFO Ashutosh Agarwala, CFO-SFD Johny Paramian, Group CIO Legal & Secretarial <ul style="list-style-type: none"> Y M Shivamurthy, Group President Legal Mr. C.P. Sounderarajan, Company Secretary Other Shared Services <ul style="list-style-type: none"> G.K.Raghunandan, CEO-Procurement Mr Sheshan Ranganathan, Head-Strategic Planning Dr.Vijay Vancheswar, Head Communications |
| GADL <ul style="list-style-type: none"> Sripathy P, CEO | | |

Source: Company data

Annexure 1

Table 25: Funding regulations

| Airports | FDI allowed | Regulatory scope | Guidelines |
|---------------------|-------------|------------------------------|-----------------------|
| Greenfield projects | 100% | Automatic | Subject to guidelines |
| Existing projects | 74% | Approval required beyond 74% | issued by MOCA |

Source: Company data

Table 26: Top international airports' traffic

| | | | Passengers | change in Percent | Aircraft movements | change in Percent | Cargo (tonnes) | change in Percent |
|----|-------------------------|-----|------------|----------------------|-----------------------|----------------------|-------------------|----------------------|
| 1 | Atlanta | ATL | 89,379,287 | 5.3 | 994,346 | 1.8 | 720,209 | (3.5) |
| 2 | Chicago | ORD | 76,177,855 | (0.1) | 926,973 | (3.3) | 1,533,606 | (1.6) |
| 3 | London | LHR | 68,068,304 | 0.8 | 481,479 | 0.9 | 1,395,905 | 3.9 |
| 4 | Tokyo | HND | 66,823,414 | 1.1 | 331,818 | 2.4 | 852,454 | 1.8 |
| 5 | Los Angeles | LAX | 61,896,075 | 1.4 | 680,954 | 3.7 | 1,884,317 | (1.2) |
| 6 | Paris | CDG | 59,922,177 | 5.4 | 552,721 | 2.1 | 2,297,896 | 7.9 |
| 7 | Dallas/Ftworth | DFW | 59,786,476 | (0.7) | 685,491 | (2.0) | 724,140 | (4.1) |
| 8 | Frankfurt | FRA | 54,161,856 | 2.6 | 492,569 | 0.7 | 2,127,646 | 8.4 |
| 9 | Beijing | PEK | 53,583,664 | 10.1 | 399,697 | 6.1 | 1,192,553 | 15.9 |
| 10 | Madrid | MAD | 52,122,702 | 13.9 | 483,284 | 11.1 | 356,427 | (1.3) |
| 11 | Denver | DEN | 49,863,352 | 5.4 | 614,065 | 2.8 | 267,294 | (5.2) |
| 12 | Amsterdam | AMS | 47,794,994 | 3.8 | 454,360 | 3.2 | 1,651,385 | 5.4 |
| 13 | New York | JFK | 47,716,941 | 11.9 | 446,348 | 17.2 | 1,607,050 | (1.9) |
| 14 | Hong Kong | HKG | 47,042,419 | 7.3 | 305,010 | 5.1 | 3,773,964 | 4.5 |
| 15 | Las Vegas | LAS | 46,961,011 | 3.2 | 609,472 | (1.6) | 91,205 | (10.0) |
| 16 | Houston | IAH | 42,998,040 | 1.1 | 603,656 | 0.2 | 409,193 | - |
| 17 | Phoenix | PHX | 42,184,515 | 1.8 | 539,211 | (1.3) | 251,925 | (12.2) |
| 18 | Bangkok | BKK | 41,210,081 | (3.7) | 265,763 | (8.7) | 1,220,001 | 3.2 |
| 19 | Singapore | SIN | 36,701,556 | 4.8 | 223,488 | 2.6 | 1,918,159 | (0.7) |
| 20 | Orlando | MCO | 36,480,416 | 5.3 | 360,075 | 2.8 | 183,070 | 5.9 |
| 21 | Newark | EWB | 36,367,240 | 2.1 | 435,691 | (2.0) | 963,794 | (0.6) |
| 22 | Detroit | DTW | 35,983,478 | - | 467,230 | (3.0) | 233,034 | 8.7 |
| 23 | San Francisco | SFO | 35,792,707 | 6.6 | 379,500 | 5.7 | 562,933 | (5.4) |
| 24 | Tokyo | NRT | 35,478,146 | 1.4 | 195,074 | 2.6 | 2,254,421 | (1.2) |
| 25 | London | LGW | 35,218,374 | 3.1 | 266,552 | 1.2 | 176,822 | (19.7) |
| 26 | Minneapolis | MSP | 35,157,322 | (1.3) | 452,972 | (4.6) | 257,394 | (6.4) |
| 27 | Dubai | DXB | 34,348,110 | 19.3 | 260,530 | 9.8 | 1,668,505 | 11.0 |
| 28 | Munich | MUC | 33,959,422 | 10.4 | 431,815 | 5.0 | 265,607 | 11.6 |
| 29 | Miami | MIA | 33,740,416 | 3.7 | 386,058 | 0.4 | 1,922,985 | 5.1 |
| 30 | Charlotte | CLT | 33,165,688 | 11.7 | 522,541 | 2.6 | 122,149 | (17.7) |
| 31 | Rome | FCO | 32,855,542 | 9.2 | 334,848 | 6.1 | 154,441 | (6.1) |
| 32 | Barcelona | BCN | 32,794,575 | 9.3 | 352,489 | 7.6 | 100,360 | 1.3 |
| 33 | Jakarta | CGK | 32,458,946 | 6.1 | 248,482 | 0.6 | 473,593 | 24.7 |
| 34 | Sydney | SYD | 32,323,380 | 6.4 | 286,101 | 0.9 | *** | *** |
| 35 | Philadelphia | PHL | 32,211,439 | 1.4 | 499,653 | (3.1) | 543,357 | 2.1 |
| 36 | Toronto | YYZ | 32,452,848 | 2.1 | 425,500 | 1.8 | 504,608 | (1.1) |
| 37 | Incheon | ICN | 31,452,848 | 10.8 | 213,194 | 15.7 | 2,555,580 | 9.4 |
| 38 | Seattle | SEA | 31,296,628 | 4.3 | 347,046 | 2.1 | 319,013 | (6.7) |
| 39 | Guangzhou | CAN | 30,958,374 | 18.9 | 260,835 | 12.2 | 694,923 | 6.4 |
| 40 | Shanghai | PVG | 29,083,510 | 8.6 | 253,535 | 9.3 | 2,559,310 | 18.0 |
| 41 | Boston | BOS | 28,102,455 | 1.4 | 399,537 | (1.6) | 298,536 | (8.1) |
| 42 | Kuala Lumpur | KUL | 25,453,379 | 9.6 | 193,688 | 5.3 | 652,895 | (3.6) |
| 43 | Paris | ORY | 26,440,736 | 3.2 | 236,926 | 1.5 | 109,315 | (0.2) |
| 44 | Mexico City | MEX | 25,881,662 | 4.7 | 378,161 | 6.4 | 411,383 | (1.3) |
| 45 | Istanbul | IST | 25,561,435 | 9.9 | 262,248 | 8.7 | 341,454 | 14.6 |
| 46 | Mumbai | BOM | 25,236,400 | 18.1 | 236,585 | 14.8 | 536,432 | 12.1 |
| 47 | New York | LGA | 25,026,267 | (3.0) | 391,872 | (2.1) | 10,596 | (40.7) |
| 48 | Washington | IAD | 24,525,487 | 7.5 | 382,939 | 0.9 | 358,527 | 2.2 |
| 49 | Milan | MLX | 23,885,391 | 9.7 | 267,941 | 6.7 | 486,667 | 16.1 |
| 50 | London | STN | 23,777,277 | 0.4 | 208,423 | 0.8 | 228,747 | (6.9) |
| 51 | Taipei | TPE | 23,425,794 | 2.5 | 160,120 | 1.5 | 1,605,681 | (5.5) |
| 52 | New Delhi | DEL | 23,346,895 | 20.5 | 225,510 | 17.2 | 431,623 | 8.3 |
| 53 | Dublin | DUB | 23,287,438 | 9.9 | 211,804 | 7.7 | 114,422 | (1.9) |
| 54 | Palma de Mallorca | PMI | 23,223,970 | 3.7 | 197,354 | 3.7 | 26,408 | 0.6 |
| 55 | Melbourne | MEL | 23,076,369 | 5.4 | 184,052 | 2.8 | *** | *** |
| 56 | Ft Lauderdale/Hollywood | FLL | 22,681,903 | 6.1 | 307,975 | 3.7 | 137,219 | (7.4) |
| 57 | Shanghai | SHA | 22,632,962 | 17.1 | 187,045 | 5.3 | 388,812 | 6.9 |
| 58 | Manchester | MAN | 22,362,106 | (1.8) | 222,778 | (3.1) | 166,546 | 10.3 |

| | | | Passengers | change in Percent | Aircraft movements | change in Percent | Cargo (tonnes) | change in Percent |
|----|----------------|-----|------------|----------------------|-----------------------|----------------------|-------------------|----------------------|
| 59 | Salt Lake City | SLC | 22,045,333 | 2.3 | 422,010 | 0.1 | 177,710 | (2.0) |
| 60 | Baltimore | BWI | 21,498,091 | 1.5 | 296,872 | (2.9) | 115,402 | (6.9) |
| 61 | Copenhagen | CPH | 21,356,134 | 2.7 | 257,591 | (0.3) | 395,506 | 4.1 |
| 62 | Zurich | ZRH | 20,682,094 | 7.8 | 268,476 | 3.0 | 289,958 | 3.6 |
| 63 | Shenzhen | SZX | 20,619,164 | 12.3 | 181,450 | 7.1 | 616,046 | 10.2 |
| 64 | Manila | MNL | 20,467,627 | 14.1 | 188,797 | 9.8 | 388,551 | (5.3) |
| 65 | Sao Paolo | GRU | 19,560,963 | 18.0 | 187,960 | 21.3 | 488,485 | (1.5) |
| 66 | Chicago | MDW | 19,378,855 | 2.7 | 304,657 | 2.1 | 13,357 | (10.5) |
| 67 | Tampa | TPA | 19,154,957 | 1.5 | 358,349 | 0.5 | 98,018 | (10.2) |
| 68 | Oslo | OSL | 19,043,800 | 7.8 | 226,303 | 5.4 | 97,311 | 7.9 |
| 69 | Vienna | VIE | 18,768,468 | 11.4 | 280,912 | 7.7 | 205,024 | 1.6 |
| 70 | Moscow | DME | 18,755,098 | 22.0 | 181,141 | 20.9 | 133,662 | 5.8 |
| 71 | Washington | DCA | 18,670,924 | 0.7 | 275,433 | (0.4) | 2,515 | (30.4) |
| 72 | Chengdu | CTU | 18,586,000 | 14.2 | 166,382 | 6.4 | 328,000 | 11.0 |
| 73 | Brisbane | BNE | 18,374,667 | 7.5 | 171,412 | 3.4 | - | - |
| 74 | Sapporo | CTS | 18,361,366 | (0.2) | 98,827 | (1.6) | 274,269 | 2.8 |
| 75 | San Diego | SAN | 18,336,761 | 4.9 | 227,329 | 2.9 | 140,304 | (25.6) |
| 76 | Stockholm | ARN | 17,968,023 | 1.7 | 218,549 | (3.8) | 122,922 | 10.5 |
| 77 | Fukuoka | FUK | 17,902,563 | (1.7) | 71,456 | 3.8 | 292,694 | 0.1 |
| 78 | Brussels | BRU | 17,838,214 | 7.0 | 264,366 | 3.8 | 747,434 | 11.3 |
| 79 | Dusseldorf | DUS | 17,832,849 | 7.5 | 227,899 | 5.8 | 58,026 | (2.4) |
| 80 | Antalya | AYT | 17,795,523 | 20.5 | 115,002 | 16.0 | 6,480 | (23.4) |
| 81 | Johannesburg | JND | 17,787,673 | 2.6 | 226,992 | 9.3 | 360,831 | 12.3 |
| 82 | Vancouver | YVR | 17,710,239 | 3.4 | 328,563 | 1.9 | 225,412 | 1.2 |
| 83 | Osaka | KIX | 16,622,853 | 0.1 | 125,637 | 8.8 | 845,976 | 0.5 |

Source: ACI

Table 27: Private sector involvement in airports

| Airport | Type | Ownership | Involvement |
|------------------------------|------------|--|---|
| Cochin International Airport | Greenfield | Owned by Cochin International Airport (CIAL), a public company which is held by a large number of non resident Indians, major Indian corporations and has a 13% holding by the Government of Kerala | The airport is wholly managed and operated by CIAL |
| Hyderabad Airport | Greenfield | GMR Group holds 63% of the equity, Malaysia Airports Holdings Berhad (MAHB) 11%, while the Government of Andhra Pradesh and AAI each hold 13%. | GMR Hyderabad International Airport has undertaken to build, finance, operate and maintain the new airport under a PPP initiative. It is a Build, Own, Operate and Transfer (BOOT) agreement |
| Bengaluru Airport | Greenfield | Siemens Project Ventures, Germany owns a 40% equity, Unique (Flughafen Zürich AG) Zurich Airport, Switzerland and Larsen & Toubro, India own 17% and AAI and KSIIDC (an agency owned by the state of Karnataka, India) both hold 13% each. | The airport will be built and operated by Bangalore International Airport for the next 30 years, with an option to continue for another 30 years. It is a BOOT agreement |
| Mumbai Airport | Brownfield | Mumbai International Airport Pvt. (MIAL) is a joint venture company owned by the GVK led consortium – comprising GVK Industries – 37% Airports Company South Africa – 37% and Bidvest – 10% and AAI that owns 26%. | MIAL is mandated to finance, design, build, operate and maintain the airport. It is a BOOT agreement. |
| Delhi Airport | Brownfield | DIAL is a joint venture among GMR Group – 50.1%, Airports Authority of India – 26%, Fraport AG – 10%, Eraman Malaysia – 10% and India Development Fund 3.9%. | DIAL is mandated to finance, design, build, operate and maintain the Indra Gandhi International Airport for a period of 30 years till '36, with an option for extension by another 30 years. It is a BOOT agreement |

Source: Company data

Table 28: Passenger traffic growth number (%)

| Year | Domestic traffic | International traffic | Total traffic |
|-----------|------------------|-----------------------|---------------|
| 2000 - 01 | 13.36 | 5.6 | 10.88 |
| 2001 - 02 | 11.43 | (2.4) | 7.22 |
| 2002 - 03 | (10.64) | 17.37 | (2.88) |
| 2003 - 04 | 9.14 | 12.05 | 10.12 |
| 2004 - 05 | 24.11 | 17.14 | 21.74 |
| 2005 - 06 | 27.99 | 14.41 | 23.53 |
| 2006 - 07 | 38.41 | 15.09 | 31.33 |
| 2007 - 08 | 23.23 | 16.38 | 21.41 |

Source: DGCA

Table 29: Cargo traffic growth number (%)

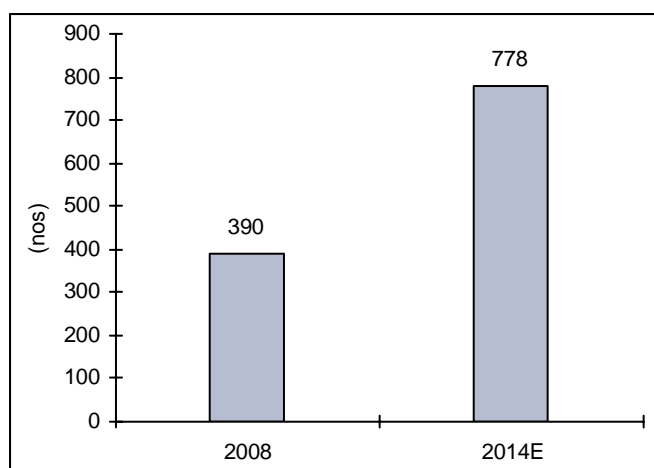
| Year | Domestic cargo | International cargo | Total cargo |
|-----------|----------------|---------------------|-------------|
| 2000 - 01 | 13.36 | (75) | 7.75 |
| 2001 - 02 | 11.08 | 4.17 | 6.85 |
| 2002 - 03 | (10.3) | 17.98 | 6.58 |
| 2003 - 04 | 12.83 | 6.84 | 8.87 |
| 2004 - 05 | 22.13 | 18.54 | 19.8 |
| 2005 - 06 | 5.61 | 12.01 | 9.72 |
| 2006 - 07 | 11.47 | 11.05 | 11.19 |
| 2007 - 08 | 5.09 | 12.18 | 9.73 |

Source: DGCA

Table 30: Fleet size of operators ('08)

| Airlines | Fleet size | Airlines | Fleet size |
|-------------------------|------------|-------------------|------------|
| NACIL (Air India) | 41 | SpiceJet | 18 |
| NACIL (Indian Airlines) | 76 | IndiGo Airlines | 19 |
| Air India Express | 20 | GoAir | 7 |
| Alliance Air | 20 | Paramount Airways | 5 |
| Jet Airways | 87 | MDLR | 2 |
| Deccan Aviation | 43 | Jagson | 2 |
| Kingfisher Airlines | 43 | Indus Airways | 2 |
| JetLite | 24 | | |

Source: DGCA

Chart 24: Addition of fleet size in India**Table 31: Composition of fleet**

| Type of Aircraft | Existing Fleet ('08) | Expected fleet('14) |
|------------------|----------------------|---------------------|
| A320 | 136 | 345 |
| B737 | 118 | 171 |
| B777 | 22 | 39 |
| A330 | 10 | 35 |
| B787 | 0 | 37 |
| ATR | 51 | 93 |
| Others*** | 53 | 58 |
| Total | 390 | 778 |

*** Others include A300, A310, A380, B747, B757, B767, CRJ, Bombardier Jets, Embraer, Dornier Jets

Airport categorisation in India

| Category | Numbers |
|----------------|---------|
| International | 17 |
| Major Domestic | 21 |
| Custom | 8 |
| Other Domestic | 57 |

- There are 127 airports, out of which ~80 airports are operational
- Out of international airports, 12 are with AAI, three are under joint ventures and two are greenfield airports

Source: Company data

Annexure 2: Financials

Table 32: Earning statement

(Rs mn, year ending March 31)

| | FY09 | FY10E | FY11E | FY12E | FY13E |
|---|---------------|---------------|---------------|---------------|---------------|
| Power | 21,352 | 26,173 | 30,522 | 36,564 | 42,597 |
| Airport | 16,632 | 11,875 | 15,393 | 18,320 | 21,994 |
| Real estate & SEZ | - | 180 | 701 | 1,549 | 2,552 |
| Others | 6,778 | 5,343 | 5,299 | 5,574 | 5,836 |
| Gross Sales | 44,762 | 43,572 | 51,915 | 62,007 | 72,978 |
| Less: Excise Duty | | | | | |
| Net Sales | 44,762 | 43,572 | 51,915 | 62,007 | 72,978 |
| Less: Revenue share paid/payable to concessionaire grantors | 4,570 | - | - | - | - |
| Other Operating Income | | | | | |
| Total Operating Income | 40,192 | 43,572 | 51,915 | 62,007 | 72,978 |
| Less: | | | | | |
| Raw Material Consumed | 13,560 | 19,399 | 19,531 | 20,960 | 22,757 |
| Other Expenses | 9,266 | - | - | - | - |
| Personnel Expenses | 6,698 | 8,038 | 8,440 | 9,284 | 10,212 |
| Total Operating Expenses | 29,524 | 27,437 | 27,971 | 30,244 | 32,970 |
| EBITDA | 10,668 | 16,135 | 23,944 | 31,763 | 40,008 |
| Depreciation & Amortisation | 3,898 | 5,948 | 8,197 | 10,869 | 11,153 |
| Other Income | 214 | 156 | 149 | 173 | 195 |
| EBIT | 6,983 | 10,343 | 15,895 | 21,067 | 29,050 |
| Less: Gross Interest | 3,682 | 7,246 | 10,944 | 12,305 | 13,296 |
| Recurring Pre-tax Income | 3,301 | 3,097 | 4,951 | 8,761 | 15,754 |
| Less: Taxation | 530 | 400 | 1,334 | 1,864 | 2,342 |
| --Current Tax | 761 | | | | |
| --Deferred Tax | (231) | | | | |
| Less: Minority expense & associate profit | (23) | (251) | (1,179) | (48) | 2,612 |
| Net Income (Reported) | 2,795 | 2,947 | 4,796 | 6,946 | 10,800 |
| Recurring Net Income | 2,795 | 2,947 | 4,796 | 6,946 | 10,800 |

Source: Company data, I-Sec Research

Table 33: Balance sheet*(Rs mn, year ending March 31)*

| | FY09 | FY10E | FY11E | FY12E | FY13E |
|---|----------------|----------------|----------------|----------------|----------------|
| Current Assets, Loans & Advances | | | | | |
| Cash & Bank balance | 24,665 | 16,249 | 28,637 | 43,159 | 64,645 |
| Inventory | 1,319 | 1,169 | 1,237 | 1,908 | 2,780 |
| Sundry Debtors | 6,609 | 5,912 | 6,652 | 7,984 | 9,375 |
| Loans and Advances | 12,612 | 9,958 | 10,023 | 10,088 | 10,153 |
| Other Current Assets | 178 | | | | |
| Total Current Assets | 45,383 | 33,288 | 46,550 | 63,139 | 86,953 |
| Current Liabilities & Provisions | | | | | |
| Current Liabilities | 18,865 | 10,301 | 10,858 | 12,515 | 14,779 |
| Sundry Creditors | 8,483 | 8,011 | 8,397 | 9,262 | 10,316 |
| Other Current Liabilities | 10,381 | 2,290 | 2,461 | 3,253 | 4,463 |
| Provisions | 782 | | | | |
| Total Current Liabilities and Provisions | 19,647 | 10,301 | 10,858 | 12,515 | 14,779 |
| Net Current Assets | 25,736 | 22,988 | 35,692 | 50,624 | 72,174 |
| Investments | | | | | |
| Strategic & Group Investments | 13,109 | 13,711 | 15,677 | 15,677 | 15,677 |
| Other Marketable Investments | | | | | |
| Debt | - | 16,293 | 11,293 | 11,293 | 11,293 |
| Total Investments | 13,109 | 30,003 | 26,969 | 26,969 | 26,969 |
| Fixed Assets | | | | | |
| Gross Block | 114,326 | 245,422 | 303,535 | 392,733 | 458,945 |
| Less Accumulated Depreciation | 17,810 | 26,965 | 35,162 | 46,031 | 57,185 |
| Net Block | 96,516 | 218,457 | 268,373 | 346,702 | 401,760 |
| Add: Capital Work in Progress | 67,909 | - | - | - | - |
| Total Fixed Assets | 164,426 | 218,457 | 268,373 | 346,702 | 401,760 |
| Total Assets | 203,271 | 271,448 | 331,034 | 424,295 | 500,904 |
| LIABILITIES AND SHAREHOLDERS' EQUITY | | | | | |
| Borrowings | | | | | |
| Long Term Debt | 120,238 | 159,715 | 202,403 | 261,750 | 301,252 |
| Total Borrowings | 120,238 | 159,715 | 202,403 | 261,750 | 301,252 |
| ADF Capitalised & deposits | 260 | 27,097 | 39,807 | 65,737 | 89,015 |
| Share Capital | | | | | |
| Paid up Equity Share Capital | 3,641 | 3,667 | 3,667 | 3,667 | 3,667 |
| No. of Shares outstanding (mn) | 3,667 | 3,667 | 3,667 | 3,667 | 3,667 |
| Face Value per share (Rs) | 1 | 1 | 1 | 1 | 1 |
| Reserves & Surplus | | | | | |
| Share Premium | 50,708 | 50,708 | 50,708 | 50,708 | 50,708 |
| General & Other Reserve | 10,362 | 13,309 | 18,106 | 25,051 | 35,852 |
| Less: Misc. Exp. not written off | | | | | |
| Less: Revaluation Reserve | | | | | |
| Net Worth | 64,711 | 67,685 | 72,481 | 79,427 | 90,227 |
| Minority Interest | 18,061 | 16,951 | 16,343 | 17,382 | 20,409 |
| Total Liabilities & Shareholders' Equity | 203,271 | 271,448 | 331,034 | 424,295 | 500,904 |

Source: Company data, I-Sec Research

Table 34: Cashflow statement*(Rs mn, year ending March 31)*

| | FY09 | FY10E | FY11E | FY12E | FY13E |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|
| Cash Flow from Operating Activities | | | | | |
| Reported Net Income | 2,795 | 2,947 | 4,796 | 6,946 | 10,800 |
| Add: | | | | | |
| Depreciation & Amortisation | 3,592 | 9,155 | 8,197 | 10,869 | 11,153 |
| Provisions | (99) | (782) | 0 | 0 | 0 |
| Deferred Taxes | (231) | 0 | 0 | 0 | 0 |
| Less: | | | | | |
| Other Income | 214 | 156 | 149 | 173 | 195 |
| Operating Cash Flow before Working Capital change (a) | 5,842 | 11,164 | 12,844 | 17,642 | 21,759 |
| Changes in Working Capital | | | | | |
| (Increase) / Decrease in Inventories | (939) | 149 | (68) | (671) | (872) |
| (Increase) / Decrease in Sundry Debtors | (2,303) | 697 | (740) | (1,332) | (1,391) |
| (Increase) / Decrease in Other Current Assets | (119) | 178 | 0 | 0 | 0 |
| Increase / (Decrease) in current liabilities | 5,637 | (8,564) | 557 | 1,657 | 2,264 |
| Working Capital Inflow / (Outflow) (b) | 2,276 | (7,540) | (251) | (345) | 1 |
| Net Cash flow from Operating Activities (a) + (b) | 8,118 | 3,624 | 12,593 | 17,297 | 21,760 |
| Cash Flow from Capital commitments | | | | | |
| Purchase of Fixed Assets | (70,091) | (63,187) | (58,113) | (89,198) | (66,211) |
| Purchase of Investments | 35,887 | (602) | (1,966) | 0 | 0 |
| Consideration paid for acquisition of undertaking | | | | | |
| Cash Inflow/(outflow) from capital commitments (c) | (34,204) | (63,788) | (60,079) | (89,198) | (66,211) |
| Free Cash flow after capital commitments (a) + (b) + (c) | (26,086) | (60,164) | (47,486) | (71,902) | (44,452) |
| Cash Flow from Investing Activities | | | | | |
| Other Income | 214 | 156 | 149 | 173 | 195 |
| Net Cash flow from Investing Activities (d) | 214 | 156 | 149 | 173 | 195 |
| Cash Flow from Financing Activities | | | | | |
| Issue of Share Capital during the year | 0 | 26 | 0 | 0 | 0 |
| Proceeds from fresh borrowings | 40,469 | 39,477 | 42,688 | 59,347 | 39,502 |
| Others | 7,746 | 25,727 | 12,102 | 26,969 | 26,305 |
| Net Cash flow from Financing Activities (e) | 48,215 | 65,230 | 54,790 | 86,316 | 65,808 |
| Net Extra-ordinary Income (f) | 0 | 0 | 0 | 0 | 0 |
| Total Increase / (Decrease) in Cash (a) + (b) + (c) + (d) + (e) + (f) | 22,343 | 5,222 | 7,453 | 14,587 | 21,551 |
| Opening Cash and Bank balance | 8,945 | 24,665 | 16,249 | 28,637 | 43,159 |
| Closing Cash and Bank balance | 31,288 | 29,887 | 23,702 | 43,224 | 64,710 |
| Increase/(Decrease) in Cash and Bank balance | 22,343 | 5,222 | 7,453 | 14,587 | 21,551 |

Source: Company data, I-Sec Research

Table 35: Key ratios*(Rs mn, year ending March 31)*

| | FY09 | FY10E | FY11E | FY12E | FY13E |
|--|--------|--------|--------|--------|--------|
| Per-share data (Rs) | | | | | |
| Diluted Recurring Earning per share (DEPS) | 0.8 | 0.8 | 1.3 | 1.9 | 2.9 |
| Diluted Earnings per share | 0.8 | 0.8 | 1.3 | 1.9 | 2.9 |
| Recurring Cash Earnings per share (CEPS) | 1.8 | 2.4 | 3.5 | 4.9 | 6.0 |
| Free Cashflow per share (FCPS-post capex) | (7.1) | (16.4) | (12.9) | (19.6) | (12.1) |
| Reported Book Value (BV) | 17.6 | 18.5 | 19.8 | 21.7 | 24.6 |
| Adjusted Book Value (ABV) ** | 17.6 | 18.5 | 19.8 | 21.7 | 24.6 |
| Valuation Ratios (x) | | | | | |
| Diluted Price Earning Ratio | 89.9 | 85.2 | 52.4 | 36.2 | 23.3 |
| Price to Recurring Cash Earnings per share | 37.5 | 28.2 | 19.3 | 14.1 | 11.4 |
| Price to Book Value | 3.9 | 3.7 | 3.5 | 3.2 | 2.8 |
| Price to Adjusted Book Value | 3.9 | 3.7 | 3.5 | 3.2 | 2.8 |
| Price to Sales Ratio | 5.6 | 5.8 | 4.8 | 4.1 | 3.4 |
| EV / EBITDA | 32.5 | 23.5 | 17.3 | 14.4 | 11.9 |
| EV / Total Operating Income | 8.6 | 8.7 | 8.0 | 7.4 | 6.5 |
| EV / Operating Free Cash Flow (Pre-Capex) | 42.7 | 104.4 | 32.8 | 26.5 | 21.9 |
| EV / Net Operating Free Cash Flow (Post-Capex) | (13.3) | (6.3) | (8.7) | (6.4) | (10.7) |
| Dividend Yield (%) | - | - | - | - | - |
| Growth Ratios (% YoY) | | | | | |
| Diluted Recurring EPS Growth | 33.0 | 5.5 | 62.7 | 44.8 | 55.5 |
| Diluted Recurring CEPS Growth | 72.2 | 32.9 | 46.1 | 37.1 | 23.2 |
| Total Operating Income Growth | 75.1 | 8.4 | 19.1 | 19.4 | 17.7 |
| EBITDA Growth | 78.2 | 51.2 | 48.4 | 32.7 | 26.0 |
| Recurring Net Income Growth | 33.0 | 5.5 | 62.7 | 44.8 | 55.5 |
| Operating Ratios (%) | | | | | |
| EBITDA Margins | 26.5 | 37.0 | 46.1 | 51.2 | 54.8 |
| EBIT Margins | 17.4 | 23.7 | 30.6 | 34.0 | 39.8 |
| Recurring Pre-tax Income Margins | 8.2 | 7.1 | 9.5 | 14.1 | 21.5 |
| Recurring Net Income Margins | 6.9 | 6.7 | 9.2 | 11.2 | 14.8 |
| Raw Material Consumed / Sales | 30.3 | 44.5 | 37.6 | 33.8 | 31.2 |
| SGA Expenses / Sales | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other Income / Pre-tax Income | 6.5 | 5.0 | 3.0 | 2.0 | 1.2 |
| Other Operating Income / EBITDA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Effective Tax Rate | 16.1 | 12.9 | 26.9 | 21.3 | 14.9 |
| Return / Profitability Ratios (%) | | | | | |
| Return on Capital Employed (RoCE)-Overall | 3.3 | 3.9 | 4.2 | 4.4 | 4.8 |
| Return on Invested Capital (RoIC) | 6.6 | 7.4 | 8.6 | 9.3 | 9.8 |
| Return on Net Worth (RoNW) | 4.4 | 4.5 | 6.8 | 9.1 | 12.7 |
| Dividend Payout Ratio | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Solvency Ratios / Liquidity Ratios (%) | | | | | |
| Debt Equity Ratio (D/E) | 186.2 | 276.0 | 334.2 | 412.3 | 432.5 |
| Long Term Debt / Total Debt | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Net Working Capital / Total Assets | 0.5 | 2.5 | 2.1 | 1.8 | 1.5 |
| Interest Coverage Ratio-based on EBIT | 189.7 | 142.7 | 145.2 | 171.2 | 218.5 |
| Debt Servicing Capacity Ratio (DSCR) | 279.5 | 211.9 | 193.2 | 238.3 | 287.5 |
| Current Ratio | 166.8 | 226.5 | 336.4 | 423.9 | 519.7 |
| Cash and cash equivalents / Total Assets | 12.1 | 6.0 | 8.7 | 10.2 | 12.9 |
| Turnover Ratios | | | | | |
| Inventory Turnover Ratio (x) | 31.5 | 20.4 | 23.0 | 20.2 | 14.5 |
| Assets Turnover Ratio (x) | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Working Capital Cycle (days) | 57.7 | 109.5 | 136.0 | 194.9 | 256.5 |
| Average Collection Period (days) | 49.6 | 52.4 | 44.2 | 43.1 | 43.4 |
| Average Payment Period (days) | 101.2 | 109.7 | 107.1 | 106.6 | 108.4 |

Source: Company data, I-Sec Research

Annexure 3: Index of Tables and Charts

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BUY: +10% outperformance; **HOLD:** -10% to +10% relative performance; **SELL:** +10% underperformance

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