



# PRIVATE PARTICIPATION IN INFRASTRUCTURE DATABASE

PPI data update note 60

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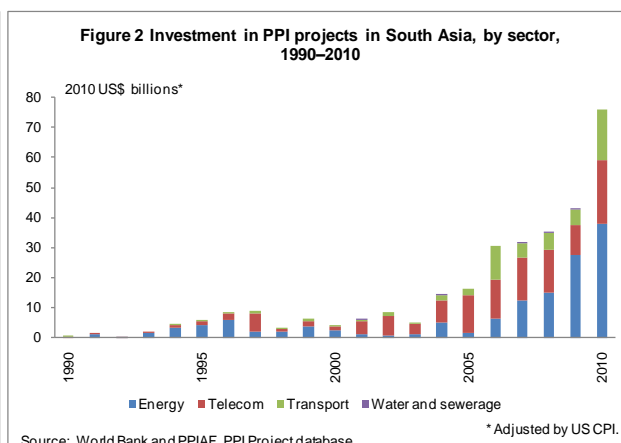
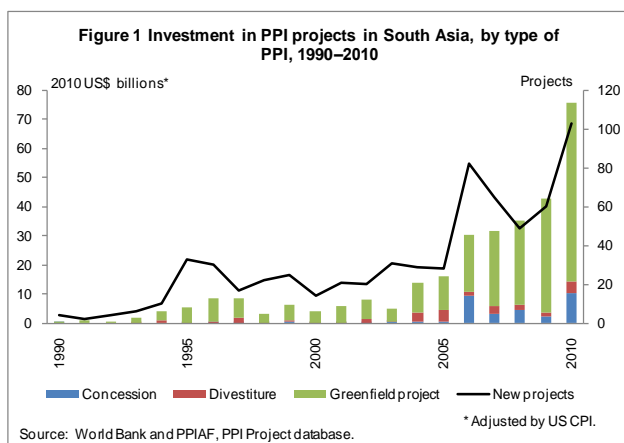
## For fifth consecutive year India drove private activity in infrastructure in South Asia to a new peak in 2010

In 2010, 102 infrastructure projects with private participation reached financial or contractual closing in 4 low- and middle-income countries in South Asia, involving investment commitments of US\$47 billion (table 1).<sup>1</sup> Infrastructure projects implemented in the 1990–2009 period attracted new investment of US\$26.5 billion, bringing total investment commitments (hereafter, *investment*) to infrastructure sectors to US\$73.5 billion in 2010.<sup>2</sup>

The activity in 2010 represents an increase of 72% by investment and 70% by number of projects compared with 2009. The growth rate of investment is particularly significant given that investment in the region had been growing since 2006 but at a lower rate (figure 1). Investment in new projects grew by 54% from 2009, and additional investment in projects implemented in 1990-2009 rose by almost 120%.

Private activity in the region, however, shows marked differences across countries. In India, private activity is vibrant thanks to many policy and programs that the national and state governments have implemented to attract private investment into infrastructure sectors.<sup>3</sup> India has now become the largest market for private participation in infrastructure in the developing world. The country implemented 94 new projects in 2010 and saw investment amount to US\$71.9 billion in 2010, an 85% increase from 2009. That investment is the highest level that any developing country experienced in any giving year in the entire 1990-2010 period. India alone accounted for 43% of the total investment in projects with private participation in developing countries in 2010. In the other South Asian countries, private activity is sporadic and in many cases aims at easing crisis situations such as power outages.

Most of the PPI activity was directed to greenfield projects (BOT, BOO, merchant, and rental), which attracted 81% of regional investment and 50% of new projects. Concessions accounted for 48 of the new projects and 14% of the regional investment.



**Energy** had 42 projects in three countries and investment of US\$38.1 billion. That represents a 39% increase from 2009, and the highest PPI investment level ever in the sector. Energy accounted for 52% of regional investment in 2010.

This note was produced by Ada Karina Izaguirre, infrastructure specialist, Finance, Economics, and Urban Development Department, Sustainable Development Network, World Bank.

<sup>1</sup> The PPI Project Database currently uses the FY10 World Bank country classification released in July 2010. Investment data are in 2010 US dollar using the US CPI to adjust to 2010 values.

<sup>2</sup> Data on infrastructure projects with private participation include primarily medium-size and large projects in low and middle income countries as reported by the media and other public sources. Small-scale projects are generally not included because of lack of public information. More information is available at <http://ppi.worldbank.org/>.

<sup>3</sup> Information on the programs for attracting private participation in infrastructure sectors in India can be found at [infrastructure.gov.in](http://infrastructure.gov.in) and [www.ppinindia.com](http://www.ppinindia.com)



## PRIVATE PARTICIPATION IN INFRASTRUCTURE DATABASE

- India accounted for 36 energy projects and 99% of regional investment in energy.
- Bangladesh implemented five energy projects, all which were rental power plants with contract periods ranging from three to five years. These projects are a short term solution to the power crisis in the country.
- Nepal implemented a 15.6 MW hydro power plant under a BOT contract.
- In India, electricity generation accounted for 39 projects and US\$35.4 billion in investment. Those projects involved 26.9 GW in new capacity and 2.3 GW of partially divested capacity.
- There were also two electricity transmission projects with investment worth US\$698 million and 1,100 kilometers of length. In addition, India sold a 17% stake in Power Grid Corporation of India Limited (PGCIL) via an initial public offering, bringing the divested share in the company to 31%. The first sale of PGCIL's shares took place in 2007.
- India also signed a 20-year franchise with a private operator for electricity distribution in Kanpur and Agra in Uttar Pradesh. Together those two areas serve 742,000 connections.
- Greenfield projects were the most common type of PPI, accounting for 40 of the 42 new projects and US\$34.2 billion in investment. The other new projects were a partial divestiture (Nathpa Jhakri Power Corporation Limited) and one lease contract (the franchise for electricity distribution in Kanpur and Agra).

**Telecom** had two new projects and attracted of US\$21.2 billion. That represents an increase of over 100% compared with 2009, and the highest level of investment in the sector in the entire 1990-2010 period. The sector accounted for 29% of regional investment in 2010.

- The investment growth was driven by the issue of 3G spectrum in India. The country, which accounted for 96% of regional investment in telecommunications, auctioned 3G for its 22 circles in May 2010 and raised US\$11.8 billion in license fees from the private telecommunications operators.
- New telecom projects accounted for 16% of the investment in the sector, and additional investment in projects implemented in 1990–2009 for the remaining 84%.
- Investment went mainly to multi-service providers (54%) and mobile operators (44%).

**Transport** saw 57 projects in two countries and investment of US\$14.3 billion. That represents an increase of 180% from 2009 and the highest level of investment in the sector in the entire 1990-2010 period. Transport accounted for 19% of regional investment in 2010.

- India accounted for all but one project. Outside India, Maldives closed financing for a US\$478 million airport concession for Male International airport, which included the construction of a new passenger terminal.
- Roads comprised most of the activity in India, accounting for 49 projects and investments of US\$12.7 billion. These road projects, most of which were for expanding highways from two to four lanes, represented over 4,870 kilometers.
- India also had five greenfield port terminals reaching financial closure in 2010. Those projects were located at Kandla, Paradip, Salaya and Murmugao Ports. The port terminals were for dry bulk coal cargo, except for one in Kandla Port, which was a multi-purpose terminal.
- In railways, India saw the 6.1-km, Rapid MetroRail Gurgaon reached financial closure in 2010.
- In airports, Maharashtra state in India and Reliance signed and implemented a 95-year concession for a package of five small private airports in 2010.

**Water and sewerage** had one new project in 2010. Nepal signed a four-year management contract for the Kathmandu water utility covering a population of 160,000.



PRIVATE PARTICIPATION  
IN INFRASTRUCTURE DATABASE

**Table 1. Infrastructure projects with private participation reaching financial or contractual closure in South Asia in 2010**

| Energy     |   |  |                          |                   |   |
|------------|---|--|--------------------------|-------------------|---|
| Country    | Project Name                                | Type Of PPI                                    | Segment                  | Total Investment* | Sponsors  |
| Bangladesh | Thakurgaon 50MW Diesel Rental Power Plant   | Greenfield project (Rental)                    | Electricity generation   | 12                | Rahimafrooz (100% / Bangladesh)   |
| Bangladesh | Bheramara 110 MW Diesel Rental Power Plant  | Greenfield project (Rental)                    | Electricity generation   | 26                | Otobi Ltd. (100% / Bangladesh)  |
| Bangladesh | Khulna 55 MW Quick Rental Power Plant       | Greenfield project (Rental)                    | Electricity generation   | 13                | Aggreko Plc (100% / United Kingdom)                                     |
| Bangladesh | Ghorasal Quick Rental Power Plant           | Greenfield project (Rental)                    | Electricity generation   | 34                | Aggreko Plc (100% / United Kingdom)                                     |
| Bangladesh | Pagla Quick Rental Power Plant              | Greenfield project (Rental)                    | Electricity generation   | 12                | Aggretech AG (..% / Germany), Primordial Energy Ltd. (..% / Bangladesh) |
| India      | Caparo Energy Limited                       | Greenfield project (BOO)                       | Electricity generation   | 143               | Carapo Group (100% / United Kingdom)                                    |
| India      | Monnet Power Co Ltd                         | Greenfield project (BOO)                       | Electricity generation   | 1,093             | Monnet Group (..% / India)  |
| India      | Dhonithanda Wind Project Limited            | Greenfield project (BOO)                       | Electricity generation   | 26                | Bhoruka Power Corporation Limited (100% / India)                        |
| India      | EMCO Energy Limited                         | Greenfield project (BOO)                       | Electricity generation   | 761               | GMR Group (100% / India)  |
| India      | Kanpur and Agra Power Distribution Fanchise | Management and lease contract (Lease contract) | Electricity distribution | 144               | Torrent Group (100% / India)  |
| India      | Ind-Barath Thermal Power Limited (IBTPL)    | Greenfield project (Merchant)                  | Electricity generation   | 284               | Ind-Barath Power Infra Private Ltd (100% / India)                       |
| India      | Bajaj Energy Private Ltd                    | Greenfield project (BOO)                       | Electricity generation   | 507               | Bajaj Hindustan (100% / India)  |
| India      | Krishnapatnam Ultra Mega power plant        | Greenfield project (BOO)                       | Electricity generation   | 3,826             | Reliance ADA Group (100% / India)                                       |
| India      | KSK Mahanadi Power Co Ltd                   | Greenfield project (BOO)                       | Electricity generation   | 3,363             | KSK Energy Venture (100% / India)                                       |
| India      | Wardha Power Company (WPCL)                 | Greenfield project (BOO)                       | Electricity generation   | 528               | KSK Energy Venture (74% / India)  |
| India      | Prayagraj Power Generation Co. Ltd.         | Greenfield project (BOO)                       | Electricity generation   | 2,515             | Jaiprakash Associates Ltd (100% / India)                                |



## PRIVATE PARTICIPATION IN INFRASTRUCTURE DATABASE

|       |   |                               |                          |       |   |
|-------|---|-------------------------------|--------------------------|-------|---|
| India | Sangam Power Generation Co. Ltd                             | Greenfield project (BOO)      | Electricity generation   | 1,662 | Jaiprakash Associates Ltd (100% / India)  |
| India | Ind-Barath Utkal Power Company                              | Greenfield project (BOO)      | Electricity generation   | 696   | Ind-Barath Power Infra Private Ltd (79% / India)  |
| India | Lanco Babandh Power Ltd                                     | Greenfield project (BOO)      | Electricity generation   | 1,515 | Lanco Group (100% / India)  |
| India | GMR Chhattisgarh Energy Private limited (GCEPL)             | Greenfield project (BOO)      | Electricity generation   | 1,813 | GMR Group (100% / India)  |
| India | GMR Rajahmundry Energy Ltd                                  | Greenfield project (Merchant) | Electricity generation   | 719   | GMR Group (100% / India)  |
| India | Indiabulls Realtech Ltd (Nasik Thermal Power)               | Greenfield project (BOO)      | Electricity generation   | 1,750 | Indiabulls Group (100% / India)   |
| India | Hinduja National Power Corp Ltd (HNPCL)                     | Greenfield project (BOO)      | Electricity generation   | 1,213 | Hinduja Group (100% / India)  |
| India | GVK Power (Goindwal Sahib) Ltd                              | Greenfield project (BOO)      | Electricity generation   | 648   | GVK Group (100% / India)  |
| India | Jhabua Power Limited (Madhya Pradesh Power Project Phase I) | Greenfield project (BOO)      | Electricity generation   | 636   | Avantha Group (85% / India)   |
| India | Mundra-Mohindergarh Power Transmission Line Project         | Greenfield project (BOO)      | Electricity transmission | 601   | Adani Group (100% / India)  |
| India | Jhajjar KT Transco Pvt Ltd                                  | Greenfield project (BOT)      | Electricity transmission | 97    | Techno Electric And Engineering Company Ltd (49% / India), Kalpataru Power Transmission Ltd (51% / India) |
| India | VISA Raigarh Power Project Phase I                          | Greenfield project (BOO)      | Electricity generation   | 573   | Visa Group (100% / India)   |
| India | L&T Uttaranchal Hydro Power Ltd                             | Greenfield project (BOT)      | Electricity generation   | 228   | Larsen & Toubro Limited (100% / India)  |
| India | Abhijeet MADC Nagpur Energy Private Limited (AMNEPL)        | Greenfield project (BOT)      | Electricity generation   | 302   | Abhijeet Group (26% / India)  |
| India | SJVN Ltd  | Divestiture (Partial)         | Electricity generation   | 91    | Others (10% / ..)   |
| India | NSL Tidong Power Generation Private Limited (NTPGL)         | Greenfield project (BOT)      | Electricity generation   | 144   | Nuziveedu Seeds Pvt. Ltd. (100% / India)  |
| India | Kumardhara Small Hydel Power Plant                          | Greenfield project (BOT)      | Electricity generation   | 28    | Bhoruka Power Corporation Limited (100% / India)  |
| India | Vaayu India Power Corporation Ltd                           | Greenfield project (BOO)      | Electricity generation   | 257   | Enercon India Ltd (100% / India)  |



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|       |  |                          |                        |       |  |
|-------|--|--------------------------|------------------------|-------|--|
| India | CLP Theni wind farm                                    | Greenfield project (BOO) | Electricity generation | 65    | China Light and Power Ltd. (100% / Hong Kong, China)                 |
| India | CLP Andhra Lake wind farm                              | Greenfield project (BOO) | Electricity generation | 160   | China Light and Power Ltd. (100% / Hong Kong, China)                 |
| India | Azure Power India (first plants in Punjab and Gujarat) | Greenfield project (BOO) | Electricity generation | 60    | Azure Power India (100% / India)                                     |
| India | Indian Energy Theni Project Phase 1                    | Greenfield project (BOO) | Electricity generation | 20    | Indian Energy Limited (100% / United Kingdom)                        |
| India | Lanco Vidarbha Thermal Power Ltd                       | Greenfield project (BOT) | Electricity generation | 1,517 | Lanco Group (100% / India)   |
| India | East Coast Energy Private Limited (ECEPL)              | Greenfield project (BOO) | Electricity generation | 1,437 | Asian Genco (..% / Singapore), Athena Projects Pvt Ltd (..% / India) |
| India | Kapil Mohan & Associates Hydro Power Pvt. Ltd.         | Greenfield project (BOT) | Electricity generation | 23    | Kapil Mohan & Associates Hydro Power Pvt (100% / India)              |
| Nepal | Mai Hydropower Project (MHP)                           | Greenfield project (BOT) | Electricity generation | 34    | Sanima Hydropower (P) Ltd. (SHPL) (100% / Nepal)                     |

| Telecommunications |                                     |                               |               |                   |   |
|--------------------|-------------------------------------|-------------------------------|---------------|-------------------|---|
| Country            | Project Name                        | Type Of PPI                   | Segment       | Total Investment* | Sponsors  |
| India              | Etisalat DB Telecom Pvt. Ltd        | Greenfield project (Merchant) | Mobile access | 2,000             | Dynamix Balwas Group (55% / India), Emirates Telecommunications Corporation (Etisalat) (45% / United Arab Emirates) |
| India              | Videocon Telecommunications Limited | Greenfield project (Merchant) | Mobile access | 1,390             | Videocon Group (100% / India)   |



# PRIVATE PARTICIPATION IN INFRASTRUCTURE DATABASE

| Transport |  |                          |           |                   |   |
|-----------|--|--------------------------|-----------|-------------------|---|
| Country   | Project Name   | Type Of PPI              | Segment   | Total Investment* | Sponsors  |
| India     | Reliance Airport Developers Private Limited (RADPL)  | Concession (BROT)        | Airports  | 13                | Reliance ADA Group (100% / India)   |
| India     | Rapid MetroRail Gurgaon Ltd                          | Greenfield project (BOT) | Railroads | 238               | Infrastructure Leasing & Financial Services (IL&FS) (74% / India), DLF Group (26% / ..) |
| India     | Ashoka Belgaum Dharwad Tollway Pvt Ltd               | Concession (BROT)        | Roads     | 152               | Ashoka Buildcon Ltd (100% / India)  |
| India     | Baharampore Farakka Highways Ltd                     | Concession (BROT)        | Roads     | 218               | Hindustan Construction Company Ltd (HCC) (100% / India)                                 |
| India     | Beawar Gomti NH Road                                 | Concession (BROT)        | Roads     | 78                | Infrastructure Leasing & Financial Services (IL&FS) (100% / India)                      |
| India     | Bijapur-Hungund Tollway Pvt Ltd                      | Concession (BROT)        | Roads     | 245               | Sadbhav Engineering Ltd (100% / India)  |
| India     | BSCPL Godhra Tollways Ltd                            | Concession (BROT)        | Roads     | 173               | BSCPL Infrastructure Ltd (100% / India)   |
| India     | Chenani Nashri Tunnelway Limited (CTNL)              | Greenfield project (BOT) | Roads     | 814               | Infrastructure Leasing & Financial Services (IL&FS) (100% / India)                      |
| India     | Chhapra Hajipur Expressway Ltd                       | Concession (BROT)        | Roads     | 178               | Madhucon Projects Ltd (100% / India)  |
| India     | Dehradun Highways Project Limited (DHPL)             | Concession (BROT)        | Roads     | 151               | Era Group (74% / India), Sibmost (26% / Russian Federation)                             |
| India     | Essel Bhind Mihona Gopalpur Toll Roads Ltd           | Concession (BROT)        | Roads     | 20                | Essel Group (100% / India)  |
| India     | Essel Sagar Damoh Toll Roads Ltd                     | Concession (BROT)        | Roads     | 30                | Essar Group (100% / India)  |
| India     | Farakka Raiganj Highways Ltd                         | Concession (BROT)        | Roads     | 236               | Hindustan Construction Company Ltd (HCC) (100% / India)                                 |
| India     | GMR Chennai Outer Ring Road Pvt. Ltd                 | Greenfield project (BOT) | Roads     | 255               | GMR Group (90% / India)   |
| India     | GMR Hyderabad Vijayawada Expressways Private Limited | Concession (BROT)        | Roads     | 383               | GMR Group (74% / India), Punj Lloyd Limited (26% / India)                               |
| India     | GMR OSE Hungund Hospet Highways Private Ltd          | Concession (BROT)        | Roads     | 361               | GMR Group (51% / India), Oriental Structural Engineers Private Ltd. (49% / India)       |



## PRIVATE PARTICIPATION IN INFRASTRUCTURE DATABASE

|       |   |                          |       |       |  |
|-------|---|--------------------------|-------|-------|--|
| India | Haridwar Highways Project Ltd                               | Concession (BROT)        | Roads | 241   | Era Group (74% / India), Sibmost (26% / Russian Federation)  |
| India | Hazaribagh Ranchi Expressway Limited                        | Concession (BROT)        | Roads | 190   | Infrastructure Leasing & Financial Services (IL&FS) (100% / India)   |
| India | Hyderabad Yadgiri Tollway Pvt Ltd                           | Concession (BROT)        | Roads | 105   | Sadbhav Engineering Ltd (100% / India)   |
| India | Indore Dewas Tollways Ltd                                   | Concession (BROT)        | Roads | 131   | Gayatri Projects Ltd (100% / India)  |
| India | IRB Goa Tollway Private Limited                             | Concession (BROT)        | Roads | 182   | IRB Infrastructure Developers Ltd (100% / India)   |
| India | IRB Jaipur Deoli Tollway Private Limited                    | Concession (BROT)        | Roads | 304   | IRB Infrastructure Developers Ltd (..% / India)  |
| India | IRB Pathankot Amritsar Toll Road Private Limited            | Concession (BROT)        | Roads | 246   | IRB Infrastructure Developers Ltd (..% / India)  |
| India | IRB Talegaon Amravati Toll Road Pvt. Ltd                    | Concession (BROT)        | Roads | 154   | IRB Infrastructure Developers Ltd (..% / India)  |
| India | IVRCL Indore Gujarat Tollways Ltd                           | Concession (BROT)        | Roads | 333   | IVRCL Infrastructures & Projects Ltd. (100% / India)   |
| India | Jaypee Infratech Limited (Yamuna Expressway)                | Greenfield project (BOT) | Roads | 1,754 | Jaiprakash Associates Ltd (100% / India)   |
| India | Jharkhand Road Projects Implementation Company Ltd (JRPICL) | Concession (BROT)        | Roads | 308   | Infrastructure Leasing & Financial Services (IL&FS) (100% / India)   |
| India | Jorabat Shillong Expressway Limited (JSEL)                  | Concession (BROT)        | Roads | 180   | Infrastructure Leasing & Financial Services (IL&FS) (50% / India), Ramky Group (50% / India)   |
| India | Kalyan Infratech Pvt Ltd                                    | Concession (BROT)        | Roads | 41    | Keti Infrastructure Pvt Ltd (100% / India)   |
| India | L&T Krishnagiri Walajahpet Tollway Private Limited          | Concession (BROT)        | Roads | 317   | Larsen & Toubro Limited (100% / India)   |
| India | L&T Samakhiali Gandhidham Tollway Private Limited           | Concession (BROT)        | Roads | 306   | Larsen & Toubro Limited (100% / India)   |
| India | Mahakaleshwar Tollways Private Ltd                          | Concession (BROT)        | Roads | 75    | SREI Infrastructure Finance Ltd (48% / India), Galfar Engineering & Contracting SAOG (Galfar) (26% / Oman), Varaha Infra Limited (26% / India) |



## PRIVATE PARTICIPATION IN INFRASTRUCTURE DATABASE

|       |   |                   |       |     |  |
|-------|---|-------------------|-------|-----|--|
| India | Mokama-Munger Highway Ltd                                   | Concession (BROT) | Roads | 96  | C&C Constructions Ltd (50% / India), BSCPL Infrastructure Ltd (50% / India)  |
| India | Moradabad Bareilly Expressway Limited                       | Concession (BROT) | Roads | 434 | Infrastructure Leasing & Financial Services (IL&FS) (100% / India)   |
| India | Navayuga Devanahalli Tollways Pvt Ltd - NDTPL               | Concession (BROT) | Roads | 192 | Navayuga Group (100% / India)  |
| India | Navayuga Dichpally Tollway Pvt Ltd                          | Concession (BROT) | Roads | 85  | Navayuga Group (..% / India)   |
| India | Navayuga Udipi Tollway Pvt Ltd                              | Concession (BROT) | Roads | 175 | Navayuga Group (..% / India)   |
| India | Oriental Nagpur Bypass Construction Pvt Ltd                 | Concession (BROT) | Roads | 431 | Oriental Structural Engineers Private Ltd. (100% / India)  |
| India | Orissa Steel Expressway Pvt Ltd                             | Concession (BROT) | Roads | 197 | SREI Infrastructure Finance Ltd (50% / India), MBL Infrastructures Limited (50% / India)   |
| India | Patna Highway Projects Ltd                                  | Concession (BROT) | Roads | 206 | Gammon India Ltd (100% / India)  |
| India | Pune Satara Road  | Concession (BROT) | Roads | 399 | Reliance ADA Group (74% / India), Jiangsu Provincial Transportation Engineering Group Company (JTEG) (26% / China)                             |
| India | Pune Sholapur Road Development Company Limited (PACKAGE-II) | Concession (BROT) | Roads | 306 | Infrastructure Leasing & Financial Services (IL&FS) (100% / India)   |
| India | Raiganj Dalkhola Highways Ltd                               | Concession (BROT) | Roads | 150 | Hindustan Construction Company Ltd (HCC) (100% / India)  |
| India | Rayalseema Expressway Private Ltd                           | Concession (BROT) | Roads | 358 | KMC Constructions Ltd (54% / India), SNC Lavalin (36% / Canada)  |
| India | Shirwal Phaltan Baramati Project (SPBDPL)                   | Concession (BROT) | Roads | 84  | IVRCL Infrastructures & Projects Ltd. (75% / India)  |
| India | Shree Jagannath Expressway Pvt Ltd                          | Concession (BROT) | Roads | 400 | SREI Infrastructure Finance Ltd (48% / India), Galfar Engineering & Contracting SAOG (Galfar) (26% / Oman), Varaha Infra Limited (26% / India) |
| India | Simhapuri Expressway Ltd                                    | Concession (BROT) | Roads | 558 | BSCPL Infrastructure Ltd (50% / India), KMC Constructions Ltd (50% / India)  |





## PRIVATE PARTICIPATION IN INFRASTRUCTURE DATABASE

|          |  |                          |          |     |  |
|----------|--|--------------------------|----------|-----|--|
| India    | Supreme Manor Wada Bhiwandi Infrastructure Pvt Ltd | Concession (BROT)        | Roads    | 94  | Supreme Infrastructure India Ltd (.% / India), Tapi Prestressed Products (.% / India), Ram infrastructure Ltd (.% / India) |
| India    | Thrissur Expressway Ltd                            | Concession (BROT)        | Roads    | 267 | KMC Constructions Ltd (.% / India), China Railway Construction 18th Bureau (Group) Co., Ltd (.% / China)                   |
| India    | Topworth Tollways (Satna) Pvt Ltd                  | Concession (BROT)        | Roads    | 31  | Topworth Group (100% / India)  |
| India    | Transstroy Tirupati Tiruthani Chennai Tollways Pvt | Concession (BROT)        | Roads    | 126 | Transstroy India Limited (74% / India), OJSC Corporation Transstroy, (26% / Russian Federation)                            |
| India    | Adani Murmugao Port Terminal Private Ltd           | Greenfield project (BOT) | Seaports | 115 | Adani Group (.% / India)   |
| India    | Essar Bulk Terminal (Salaya) Limited               | Greenfield project (BOT) | Seaports | 190 | Essar Group (100% / India)   |
| India    | Essar Bulk Terminal Paradip Ltd                    | Greenfield project (BOT) | Seaports | 122 | Essar Group (100% / India)   |
| India    | Paradip-I Coal                                     | Greenfield project (BOT) | Seaports | 122 | Essar Group (100% / India)   |
| India    | RAS Infraport Pvt Ltd                              | Greenfield project (BOT) | Seaports | 55  | Regal Shipping (.% / India), Alpha Vinimay Pvt Ltd (.% / India), Sainath International Pvt Ltd (.% / India)                |
| Maldives | Maldives Male International Airport                | Concession (BROT)        | Airports | 478 | GMR Group (77% / India), Malaysia Airports Holding Berhad (MAHB) (23% / Malaysia)  |

| Water and sewerage |   |   |                             |                   |                               |
|--------------------|---|---|-----------------------------|-------------------|-------------------------------|
| Country            | Project Name                                | Type Of PPI   | Segment                     | Total Investment* | Sponsors                      |
| Nepal              | Kathmandu Upatyaka Khanepani Limited (KUKL) | Management and lease contract (Management contract) | Water utility with sewerage | Not Applicable    | BerlinWasser (100% / Germany) |

Note: BOT= Build, Operate, and Transfer; BOO = Build, Own, and Operate; Concession (BROT) = Build, Rehabilitate, Operate, and Transfer.

\*in current US\$ millions

Source: World Bank and PPIAF, PPI Database.