

Capital Project Management Services

Consulting - Market Intelligence & Analytics

In the challenging landscape of capital projects, asset owners, developers and financiers often grapple with a myriad of issues that hinder successful planning, estimation, delivery and maintenance.

Leveraging the extensive experience of CRISIL's Capital Project Management Services team across the capital project lifecycle, we offer invaluable insights and expertise to navigate the challenges inherent in capital projects – to identify, plan and execute strategies to address schedule and cost overruns while keeping sustainability in mind.

Focus areas when managing capital projects

Recent statistics from the Ministry of Statistics and Programme Implementation, Government of India, reveal that over **48%** of the **1,800+** central projects being tracked were experiencing **schedule overruns** (or delays), while **25%** were grappling with **cost overruns**.

Key focus areas to guard against such overruns include:

- Contract and claims management
- Budgeting and controls
- Transparency in project performance metrics
- Project risk management
- Procurement and pre-bid services
- Operations and management (O&M) reviews
- Technology adoption and integration challenges

How CRISIL can help evaluate, plan, deliver and maintain capital projects

Techno-commercial appraisals



- Contract reviews
- Asset inspections and testing
- Construction/O&M planning
- Project lifecycle costing (capex and opex)

Project oversight and transaction reviews



- Concurrent reviews (end-use monitoring) for all project-level transactions
- Contract review and benchmarking
- Performance monitoring and optimisation

Procurement services



- Cost optimisation and sustainable solutions
- Procurement process design and reviews
- Independent vendor performance evaluation

Risk management framework and reporting



- Risk definitions and registers
- Mapping and scoring risks
- Evaluating and recommending risk treatments

CRISIL's value propositions

- **Project efficiency:** Schedules, budgets and contractual obligations
- **Risk resilience:** Risk planning and actions
- **Enhanced project governance:** Independent tracking and project controls
- **Procurement efficiency:** Cost optimal purchases, shorter response times
- **Digitalisation:** Identifying and implementing digital tools for crucial workflows

Services across the asset lifecycle

User fee collection and O&M

- Contract review and benchmarking
- Toll operation reviews
- Site transaction reviews (procurements and bills)
- Time and cost optimisation studies
- Contractor performance evaluation
- Project technical reviews

Construction + disbursements

- Digital Project Management Office (PMO)
- Ongoing credit end-use monitoring
- Time and cost optimisation studies
- Contractor performance evaluation
- Project technical reviews
- Contract reviews and benchmarking

Feasibility/ appraisal

- Traffic and revenue forecasting
- Technical due diligence for lenders
- Project lifecycle cost estimation for bidders
- Financial modeling with scenario analysis
- Project risk assessment – bidders/ lenders

Periodic maintenance

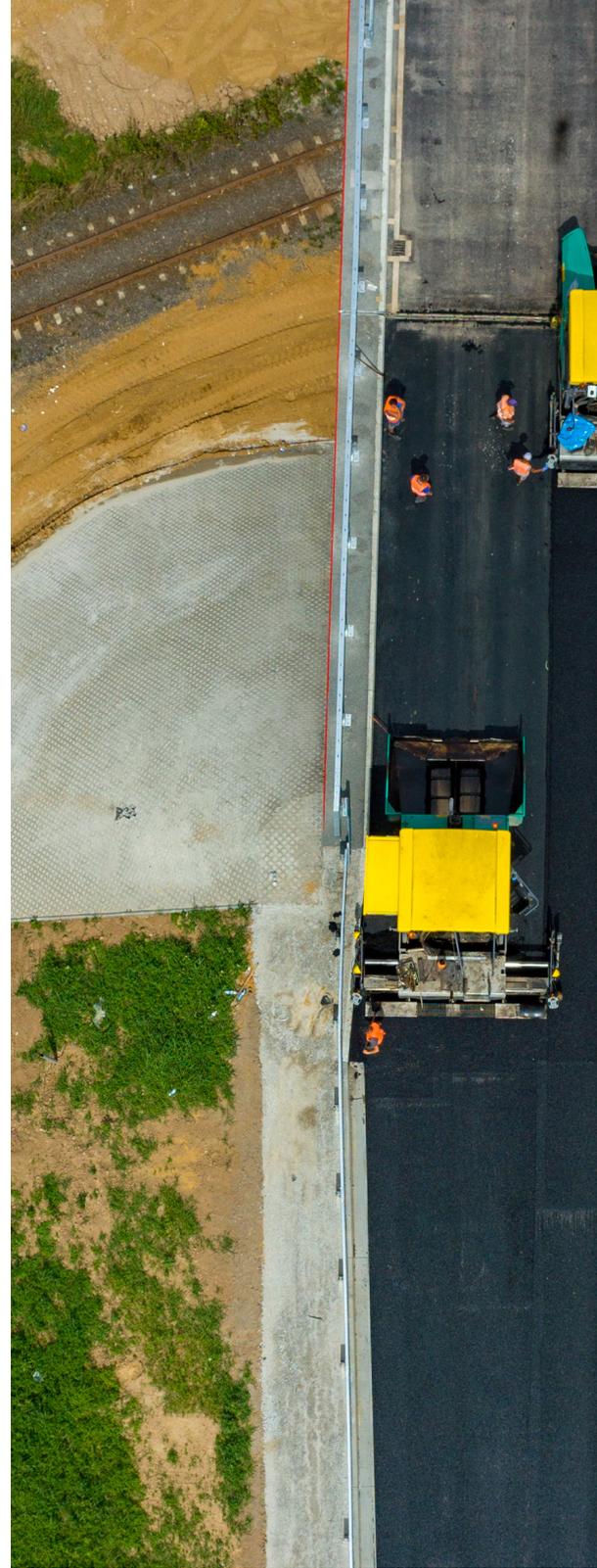
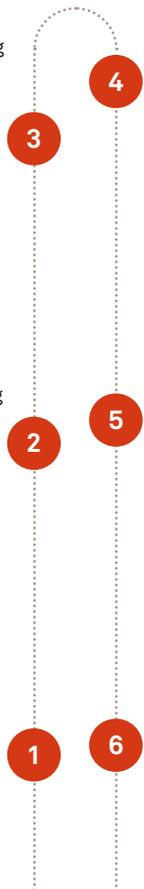
- Site transaction reviews (orders and bills)
- Maintenance planning and reviews
- Contractor performance evaluation
- Contract review and benchmarking

Acquisitions – buy/ sale

- Asset inspections and engineering surveys
- Traffic and revenue forecasting
- Tolling and maintenance cost estimation
- Technical due diligence for lenders
- Contract review and benchmarking
- Financial modeling with scenario analysis

Asset handover/ transfer

- Handing over/ Taking over (HOTO) support
- Contract reviews and benchmarking
- Procurement management services
- Project control and MIS enablement



Target segment



India's leading public sector banks and NBFCs

- Conducted thorough lenders' due diligence, both revenue and technical, for prominent financial institutions in India, focusing on the techno-economic feasibility of capital assets, in turn, facilitating informed decision-making



State road development agencies

- Supported state development agencies with technical due diligence and financial advisory services for their greenfield expressway project, ensuring efficient planning with technical and sustainable viability



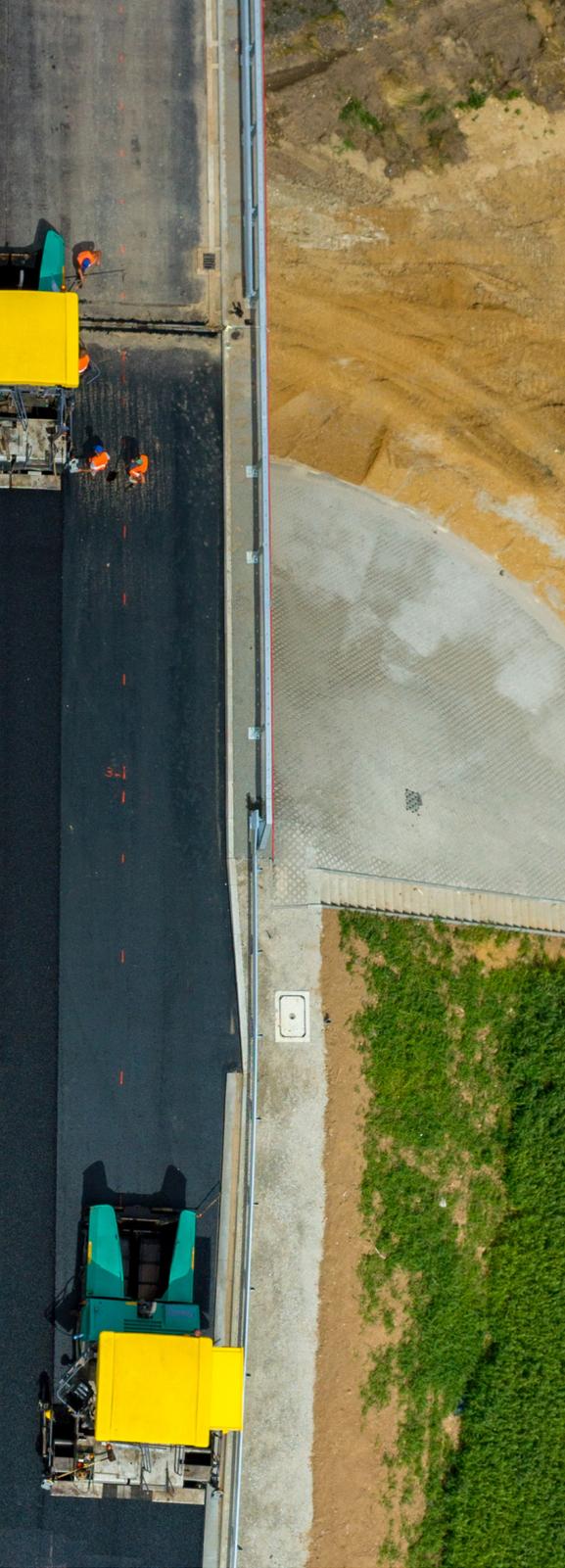
Asset Reconstruction Companies (ARCs)

- Delivered procurement and toll operation reviews and monitored O&M for highways by streamlining operations and optimising expenditure



InvITs, TOT investors, Asset owners

- Conducted exhaustive technical due diligence for lenders by assessing multiple operational highway assets for integration into InvITs
- Revenue and technical appraisals for private developers or investor platforms looking to invest in Indian infrastructure assets through primary or secondary markets



Time

Digital solution partners



On-cloud, app-enabled services – site activity workflows



Project management and in-house reporting platforms such as Fulkrum®, Quantix®, Cutting Edge®



Inventory tracking and reporting through barcodes



Georeferenced images and app-based workflows



AI camera-based physical asset inspections



Satellite imagery-based monitoring for change detection, progress measurements and safety analyses



Drone-based visualisation and mapping services for planning of construction or maintenance

Costs

Quality

In-house solutions

Fulkrum®:

Elevate your projects with our advanced big data analytics and dashboarding platform for optimised decision-making

Cutting Edge®:

CRISIL's integrated research, data and analytics platform for efficient benchmarking

Quantix®:

Harness CRISIL's data prowess for efficient benchmarking

GenAI platform:

Leverage CRISIL's advanced generative AI platform

Why CRISIL

Integrated infrastructure service offering



- One-stop shop for determining and opining on revenue and cost potential for an infrastructure asset
- Ability to review and forecast based on proprietary methodology and internal benchmarks benchmarks
- Experience of evaluating traffic demand for over 250 toll plazas, ports and container depots across India

Experienced team



- Dynamic team comprising technically proficient engineers, project management professionals and MBA graduates
- Experienced engineers with techno-commercial experience in management consulting and infrastructure development



Deep relationship in BFSI space

- Specialists with financial institutions across consulting

Diverse sector experience



- Comprehensive coverage across sectors — roads, metro rail, high-speed rail and real estate
- Proficiency in navigating the entire value chain of capital projects

In-house analytics and research tools



- Proprietary IP using 4,000+ primary sources and extensive data coverage spanning 70 industries for robust research and benchmarking
- Proven track record as a leading analytics and research provider

For further information,
please reach out to

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About CRISIL Market Intelligence & Analytics

CRISIL Market Intelligence & Analytics, a division of CRISIL, provides independent research, consulting, risk solutions, and data & analytics. Our informed insights and opinions on the economy, industry, capital markets and companies drive impactful decisions for clients across diverse sectors and geographies. Our strong benchmarking capabilities, granular grasp of sectors, proprietary analytical frameworks and risk management solutions backed by deep understanding of technology integration, make us the partner of choice for public & private organisations, multi-lateral agencies, investors and governments for over three decades.

About CRISIL Limited

CRISIL is a leading, agile and innovative global analytics company driven by its mission of making markets function better. It is India's foremost provider of ratings, data, research, analytics and solutions with a strong track record of growth, culture of innovation, and global footprint. It has delivered independent opinions, actionable insights, and efficient solutions to over 100,000 customers through businesses that operate from India, the US, the UK, Argentina, Poland, China, Hong Kong, UAE and Singapore. It is majority owned by S&P Global Inc, a leading provider of transparent and independent ratings, benchmarks, analytics and data to the capital and commodity markets worldwide. For more information, visit www.crisil.com

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