



**Transparency & Accountability:
With Special Reference to Public Private
Partnership Projects**

**Panel discussion in the 6th National
convention Organized by Central Information
Commission on 14th and 15th October 2011**

**Panelist: Shri A. K. Upadhyay
Secretary (RT&H) and Chairman NHAI**

The story of National Highways development so far

- The road development regime changed from public funded projects to mainly PPP projects to harness the efficiency, competence of the private sector, leverage its resource raising capacity and ensuring operation and maintenance during its life cycle.
- Guidelines for the PPP projects, Manual of Specifications & Standards, RFP for selection of consultants and rules for user charges were finalised.
- Standard documents for the Bidding and Model Concession agreements were also prepared after extensive consultations.
- As the PPP policy framework evolved, both the private enterprise as well as the Government developed trust in each other and the policy framework achieved maturity

The story of National Highways development so far

- Present trends clearly reflect the enthusiasm of the private enterprise in the premium bids and reduced viability grants in the bids
- Many states have developed capability to implement their projects on PPP basis
- Considerable increase in the number of projects awarded especially during last 30 months. NHDP is likely to be completed by 2016-17
- Considerable increase in private sector capacity to execute road projects

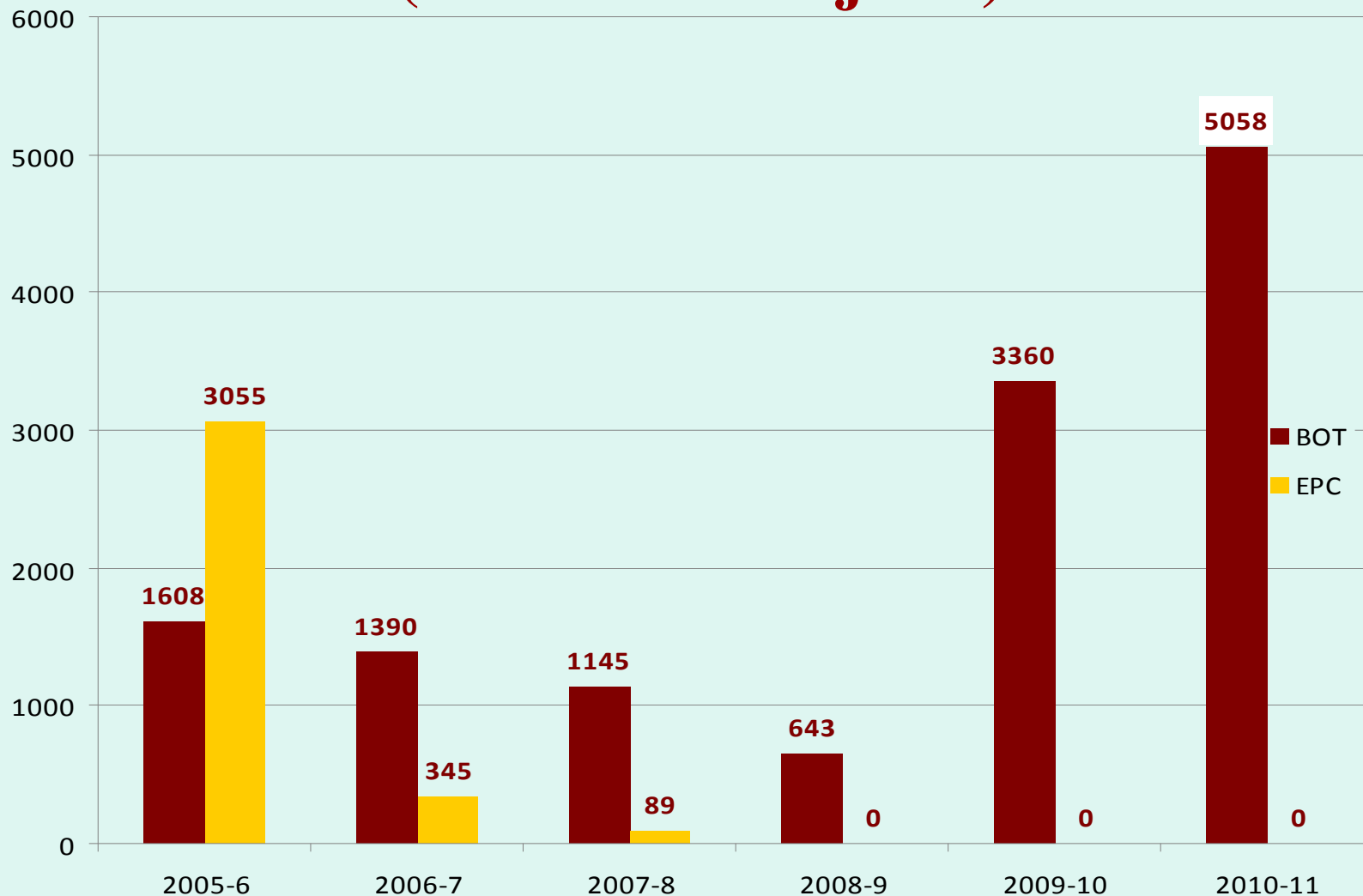


PPP Projects – National Highways

- Country's one of the biggest Public Private Partnership Projects (PPP) Program is being implemented by the NHAI.
- Since year 2007 the NHAI is only awarding projects on PPP (except few on other modes). The status as on 30th Sep 11.

I	Projects under implementation	Length	No. of Contracts	Total Project Cost (Rs)
	1) PPP Length	13,344	134	1,21,333
	a) BOT Toll	11,042	102	98,438
	b) BOT Annuity	2301	32	22,895
	2) EPC	2974	82	20,019
	3) Total [1+2] of EPC + BOT	16,317	216	1,41,351
	4) PPP % of total	82%	62%	86%
II	Construction Completed			
	1) PPP Length	3,383	60	22,499
	a) BOT Toll	2,372	43	16,312
	b) BOT Annuity	1,011	17	6,186
	2) EPC	8,444	228	39,031
	3) Total [1+2] of EPC + BOT	11,827	288	61,530
	4) PPP % of total	29%	21%	37%

Shift from Public funded to PPP in road sector (Award of Projects)

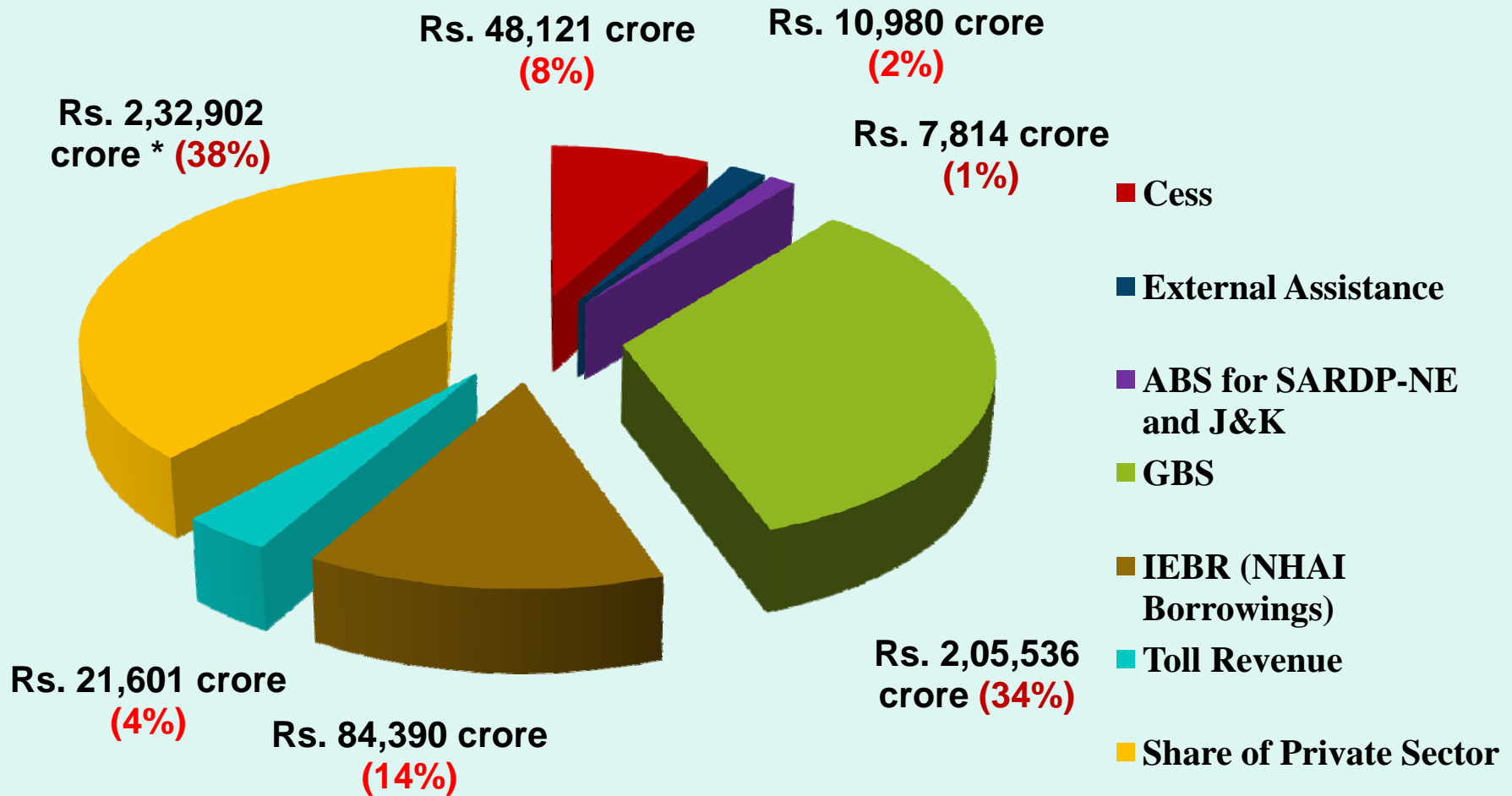


Premium/Grant projected and bids received for projects bid out since April 2011

(` Crore)

S.No	Name of the Project	Length (in Km.)	Approved TPC (in Rs. Crore)	NPV of projected premium/ (Grant) as approved by CCI (in Rs. crore)	NPV of premium/ (Grant) as received (in Rs. crore)	% variation between projected & bid amounts
1	2	3	4	7	8	9
1	Ahmedabad-Vadodra	102	2,125	63	3,542	5529%
2	Beawar-Pali-Pindwara	244	2,388	194	2,032	946%
3	Kota-Jhalawar	88	530	(228)	30	113%
4	Nagpur-Wainganga	45	484	(102)	191	286%
5	Barwa Adda-Panagarh	123	1,665	57	1,098	1827%
6	Jabalpur-Lakhnadon	81	777	(134)	(37)	72%
7	Kishangarh-Udaipur- Ahmedabad	556	5,387	3,035	7,389	143%
8	Aurang-Saraipalli/Orissa Border	150	1,232	(382)	265	169%
9	Jabalpur-Katni-Rewa	225	1,895	(917)	(341)	63%
10	Hospet-Bellary-AP/KNT Border	95	910	(337)	165	149%
11	Shivpuri-Dewas	332	2,815	(422)	1,658	493%
12	Gwalior-Shivpuri	125	1,055	(331)	602	282%
13	Rohtak-Jind	49	283	(113)	1	101%
14	Patna-Buxar	125	1,129	(395)	(316)	20%
15	Vijayawada-Machhlipatanam	65	606	(173)	(209)	-21%
16	Angul-Sambalpur	153	1,220	(476)	(339)	29%
Total		2,559	24,503	(660)	15,729	

Projected Source of Funds for 12th Five Year Plan (2012-17) for Central Sector Road – **Private Sector 38% share**



* Equity (@ 30%) – Rs. 69,870 crore

7 Debt (@ 70%) – Rs. 1,63,032 crore



Transparency in Award of Concessions & Operations

PPP projects to be awarded in Public Domain & e-Tendering

- On PPP mode, in F.Y 2011-12 - 80 contracts of 10,065 km length at an estimated total cost of Rs 75,000 crore are planned for award. Full details of stretches is hosted on NHA website.
- The introduction of Annual Prequalification henceforth has facilitated the bidding process – both for NHA and the developers.
- The electronic bidding is adding to the transparency of the process.
- By September end, for 4700 km, bids were awarded (2476) /opened (840)/ invited (1384), which is by far the highest performance so far. It is expected that this performance will be continued in the remaining period of the year.
- There is already a robust Standard documents for the Bidding and Model Concession agreements prepared after extensive consultations. At the same time there is scope for flexibility in view of future exigencies.



Electronic Toll Collection (ETC)

- Nationwide interoperable Electronic Toll Collection is proposed by interconnection of all toll plazas on NH. The committee headed by Sh. Nandan Nilekani recommended Radio Frequency Identification (RFID) Technology based on EPC, GEN-2, ISO-18000-6C standards for Electronic Toll Collection on National Highways.
- Specifications for RFID Tags, RFID Transceiver and Data exchange format between Toll Plaza Server and the Central ETC system have been notified by the Ministry of Road Transport & Highways. These specifications can be used by the Concessionaires.
- To carry forward the process, an Apex committee constituted under DDG, NIC has submitted its report to Govt. on 11/10/2011. On the basis of the recommendations of the committee the process of setting up the Central Agency for Clearing House and coordination is being planned
- Advantages of ETC Systems
 1. Less traffic congestion, reduced commuting times and add to comfort level.
 2. Savings on fuel and reduction of emissions
 3. Lesser operating cost
 4. Increases user convenience from payment without stopping at the toll plazas
 5. Reduces revenue leakages



Enterprise Resource Planning (ERP)

- For business re-engineering, higher transparency/ consistency and accountability NHAI and Ministry are to implement ERP Project. All preliminary works completed and tenders will be invited soon.



Transparency & Accountability

- For bringing greater transparency, accountability and more close interaction with Public, the Information & Communication Technology, has been leveraged and following projects taken up:
 - NHAI is now on Facebook
 - Citizen Services
 - All procurements through e-Tendering only.
 - Electronic Toll Collection (ETC)
 - Enterprise Resource Planning (ERP)
 - All PPP Concession Agreements till date now fully on NHAI website (www.nhai.org)
 - GIS based Satellite Imagery for Planning & Monitoring of National Highways



Platform for Citizen Feedback

- Ministry and NHAI on popular social networking site Facebook
- Since January 2011 NHAI is on Facebook. More than 3,55,350 users visited and several persons registered for participating in discussion forums/complaints/suggestions. Concessioners are also linked with NHAI Facebook. Officers are responding to Public directly on Facebook.

<http://www.facebook.com/#!/NHAI.INDIA>

- Since August 2011 Ministry (RT&H) is on Facebook. More than 300 users visited.

<http://www.facebook.com/pages/Ministry-of-Road-Transport-and-Highways/>

Screenshot



Rakesh Reddy

Hello, Guys @ NHAI have Done a Great Job to make Indian Roads Drivable, But there is one National Highway from Krishnagiri to Thiruvannamali which is worst from past 4/5 years that is the road that connects Bangalore and Pondicherry NH 68 i believe.. the road is about 100+ km which takes about 3 hours on a normal day, this road needs to be re-asphalt or concreted road has to be made and please also collect toll after the development of the road. this would help thousands who use this road to reach pondicherry and other parts of tamilnadu.

Like · Comment · September 19 at 10:04pm · 🌐



Vinay Rajawat The work for urgent repair of NH-66 from Krishnagiri to Tindivanam has been approved and most likely the work will be started by Mid October 2011. The Concession Agreement for Two Laning with paved shoulder of Tindivanam – Krishnagiri Sect...

[See More](#)

September 20 at 11:33am · Like

Write a comment...



Citizen Services

Concession Agreements on NHA website

- Now all Concession Agreements signed by NHA (151 no.) are now fully available on NHA website for public viewing so that public is well informed about the concessioners responsibilities. CVs of Supervision consultant/ independent consultant being hosted on NHA website.

<http://nhai.org/concessionagreementcj.asp>

Screenshot

The screenshot shows the NHA website interface in Internet Explorer. The page title is 'Concession Agreements'. Below the title, there is a table with 5 rows of concession agreements. Each row includes a serial number, state, title, and download file links. The table is as follows:

S.No	State	Title	Download File
1	Andhra Pradesh	DESIGN, CONSTRUCTION, DEVELOPMENT, FINANCE, OPERATION AND MAINTENANCE OF KM 30.500 (JACHERLA) TO KM 135.489 (END OF PROPOSED KOTKATTA BYPASS) ON NH-7 IN THE STATE OF ANDHRA PRADESH TOGETHER CALLED THE 'PROJECT' IN THE STATE OF ANDHRA PRADESH ON BUILD, OPERATE & TRANSFER (BOT) BASIS	CA-VOL-1 CA-VOL-2
2	Andhra Pradesh	DESIGN, ENGINEERING, FINANCE, CONSTRUCTION, OPERATION AND MAINTENANCE OF 4 LANEING OF AMBUR-KALLOOR (ELLAREDDI) SECTION OF NH-9A (HODS) OF NH-7 FROM KM 308.000 TO KM 387.000 IN THE STATE OF ANDHRA PRADESH UNDER IN-CP PHASE-II ON DESIGN, BUILD, FINANCE, OPERATE AND TRANSFER (DBOT) BASIS	CA-VOL-1 CA-VOL-2 CA-VOL-3
3	Andhra Pradesh	CONSTRUCTION SUPERVISION CONSULTANCY PACKAGE NO. GGGM/E/SC-AP-2	CA
4	Andhra Pradesh	SO LAPPING OF CHALKALURPET-HAYANCHA SECTION OF NH-5 FROM KM 355.50 TO KM 434.15 (LENGTH-42.5 KM) IN THE STATE OF ANDHRA PRADESH TO BE EXECUTED AS BOT (TOLL) ON DBOT PATTERN UNDER IN-CP PHASE-II	CA
5	Andhra Pradesh	DESIGN, CONSTRUCTION, DEVELOPMENT, FINANCE, OPERATION AND MAINTENANCE OF KM 278.00 (KACHTAL) TO 308.00 (AMBUR) ON NH-7 IN THE STATE OF ANDHRA PRADESH UNDER NORTH SOUTH CORRIDOR (IN-CP) PHASE II ON BUILD, OPERATE AND TRANSFER (BOT) BASIS	CA
		DESIGN, CONSTRUCTION, DEVELOPMENT, FINANCE, OPERATION AND MAINTENANCE OF KM 135.489 (END OF PROPOSED KOTKATTA BYPASS) TO KM 211 (KURNOOL) ON NH-7 IN THE	

- As a part of e-Governance work started to computerize Citizen services like; Legal cases, Tracking of application on sanction of Petrol Pumps, Median Cuts and Bills submitted by Contractors/ Vendors/ Suppliers.



GIS based Satellite Imagery Project

- For Planning & Monitoring of National Highways
- NHAI is implement a Pilot project of 3000 km covering Country's far flung areas including Ministry and NHDP Works. Pilot project to be part of updating existing GIS and web based Road Information System (RIS) of 7,000 km which is available on NHAI website.
- EOI for satellite project due on 3rd November'2011.
- Envisaged Benefits :
 - For Better management of ongoing works by verification and authentication of ground progress,
 - For new Projects – routes alignment and fixation as per feasibility report/ DPR submitted by consultant,
 - Correct provisioning and location of costly stretches [RUB/ ROB/ Flyover],
 - Land acquisition, Shifting of utilities, identification of forest area, encroachments etc.

CHANGE DETECTION THROUGH CARTO-2 SATELLITE OUTER RING ROAD HYDERABAD



MARCH 2007
Single Lane



APRIL 2007
Divided Carriage Way

National e-Governance Programme

- Introduction of Information Technology in the Road Transport Sector to ensure uniformity and inter-operability throughout the Country.
- Standardized software VAHAN (for registration certificate) and SARATHI (for driving license) developed and made available to all the states free of cost.
- VAHAN and SARATHI covered both back-end automation of Road Transport Offices (RTOs) and frontend computerization to enable issuance of Driving License and Registration Certificates in Smart Card mode.
- VAHAN and SARATHI successfully implemented in 33 States/UTs.
- SCOSTA (Smart card Operating System for Transport Application) based Smart Cards for Registration Certificate and Driving License are being issued by 18 States/UTs.

National e-Governance Programme

- A Mission Mode Project
 - Computerization of all the RTs/DTOs across the Country.
 - Inter-Connectivity to all the RTOs/DTOs.
 - Establish state and national Register of Motor Vehicles.
- Computerization of all the RTOs/DTOs.
 - 100% computerization has been achieved in 31 states/UTs and 97 % of the RTO, i.e, about 942 out of 975 RTOs computerized.
- Inter-connectivity to all the RTOs/DTOs.
 - 100% connectivity achieved in 31 states/UTs for information sharing within RTOs, data transfer between, individual RTOs and State Register/ National Register.
- Establishment of Stock Register.
 - Stock Register to act as a repository at the State level providing information to State Transport department, RTOs, automobile dealers, Police Deptt. Etc.
 - Stock register established in all 35 states/UTs.
 - 904 RTOs data replicated to State Register.

Thank You