

Sustainable Urban Transport Project



Safeguards Issues and Challenges

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Project Appraisal Documents

- Environmental Safeguards
 - Environmental and Social Management Framework
 - Environmental Impacts and Mitigation Measures
 - Two Tier Implementation Arrangements
 - Monitoring and Report
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 - Monitoring and Report

PCMC – Project at Glance

Nasik Phata to Wakad – 8.09 km

Packages	Tender Award date	Scheduled Completion Date	Extension
Package I - Construction of River Bridge, Flyover, ROB upto CIRT gate. Chainage 0/000 to 1/120	07 December 2010	11 January 2013	31/10/2013= 10 months
Package II - Construction of BRTS corridor from nashik phata flyover approach to Kaspate vasti. Chainage 1/120 to 5/970	25 August 2009	24 February 2011	31/10/2013= 20 months
Package III - Construction of BRTS corridor Kaspate vasti to wakad(westerly bypass) . Chainage 5/970 to 8/095	25 August 2009	24 February 2011	31/10/2013= 20 months

PCMC – Project at Glance

Kalewadi to Dehu Alandi 10.27 km

Packages	Tender Award date	Scheduled Completion Date	Extension
Package I Chainage 0/000 to 1/600	25-08-2009	24-02-2011	31-03-2013= 24 Months
Package II Chainage 1/600 to 3/000	14-2-2010	13-06-2012	31-03-2014 = 18 Months
Package III - Bridge on Pawana River, Flyover/Viaduct and ROB with Approaches & Ramps on Kalewadi Phata to Dehu Alandi Road. Chainage 2/800 to 4/400	06-04-11	05-10-13	31-08-2014= 10 months
Package IV. Chainage 3/000 to 6/480.	28-02-2013	31-05-2014	-
Package V Chainage 6/480 to 10/275.	25-08-2009	24-02-2011	31-12-2013 = 20 months

PCMC-Resettlement Action Plan for Corridor 3 and 4

- **397 PAPs**(257 residential PAPs, 194 are the Titleholders, 52 are Non-Titleholders.
- **Supplementary RAP**, 144 residential squatters, 3 title holders and 29 tenant shop keepers are affected.
- The RAP was approved in October 2010 and web hoisted as disclosure.
- The time frame for the implementation of RAP was for 24 months . As on May 2013, it is 7 months behind the schedule.
- As per as the SRAP implementation - all 144 PAPs was proposed to be relocated by March 2013.

PCMC – Corridor 3 & 4 Land Acquisition

Status of Corridor Length under Encumbrances

- Length of road handed over to contractors
- Length of road under other encumbrances
- Length of road under court case



Nasikphata-Wakad Road (KM)

Kalewadi-Dehu-Alandi Road (KM)

Total (KM)

Social Safeguards and Lessons Learnt

- **Advance planning and resettlement management.**
- **Advance Land Acquisition planning.**
- **Encumbrance removal plan should be part of Contract Document.**
- **The court cases on LA could have been identified at the project planning stage and formation of GRC in early stage.**
- **Impact assessment, inventory of loss etc. should be done at project planning stage to avoid supplementary document preparation (as in this case SRAP was prepared).**
- **Payment of “replacement cost” of structure to PAPs is the key as per GEF-SUTP ESMF. The entitlement matrix was devoid from that.**

Environmental Safeguards

- Environmental Impact Assessment and Management Plan in compliance to ESMF
 - Acceptance of World Bank – 13 September 2011
 - Upload on Website of PCMC – 14 September 2011.
 - The website address of EIA document is <http://www.pcmcindia.gov.in/sutp/Environmental.html>

Impact on Trees

Item	Kalewadi to Dehu Alnandi	Nasik Phata to Wakad	Total
Number of trees to be felled	398	927	1325
Number of trees to be transplanted	146	233	379
Total Number	544	1160	1704

Compensatory Plantation

3800 trees plantation on both side of the road.

Estimated Budget – INR 3,80,000/-

Transplantation

Number of trees to be transplanted	No trees transplanted	Survival	Mortality	Survival to be confirmed
379	154	66	1	87



Transplantation of Trees



Transportation of Trees



Placing of Uprooted Trees

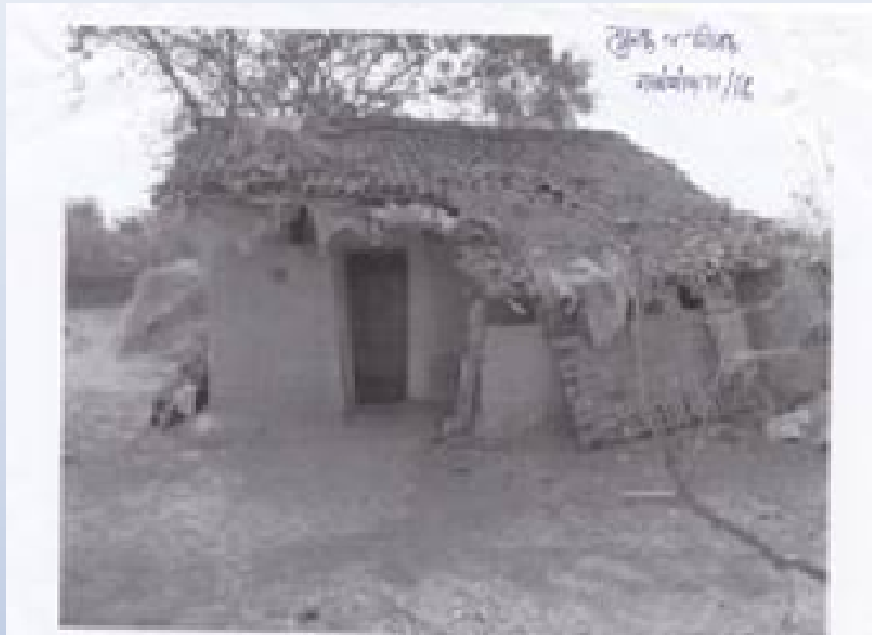


Tree species: Cassia Transplanted Near Jijamata School

Naya Raipur

- Social assessment to identify possible project impacts and scope to enhance social benefits has been commenced while land acquisition started for the capital city of Naya Raipur in 2006.
- AS per the RAP for the purpose of BRTS project 44.94 ha, and 3.95ha land was procured through private negotiation and LA Act respectively.
- For the construction of Bus depot 5.18 ha land was procured through negotiated purchase. The government land transferred to NRDA was 21.25 ha.

Naya Raipur



Pre project houses of PAPs

Occupied Houses in Resettlement colony for the PAPs-Post project- Relocation of 12 squatter families has already been done and resettled in close proximity in relocation colony.



Proactive Action for Resettlement Management

Livelihood and Income restoration -
1104 project impacted person were received training in different trades like Mushroom production, Masonry, electrician, driving, computer etc. The total expenditure in conducting training was Rs.7.81 million till July 2012.



Enhanced Compensation - Entitlements of the land losers in resettlement measures

- Those land owners who has sold land on mutual consent will get exgratia of Rs. 15,000/ per year/Acre from 2012-13 to 2030-2031. in addition Rs.750/per year/per acre will be given as top up till 2030-2031.
- Those land owners who will be selling land on mutual consent will receive the enhanced compensation of rate of 10 % of the rate fixed between 2011 and 2012 and 20 % of the rate fixed on 2012 and 2013.

Environmental Impact and Its management

- EIA prepared and disclosed on Website.
- Construction is yet to be started
- 478 trees have been felled for the construction of road no. 13 in Naya Raipur.
- Compensatory plantation (1:10) completed in 2011 in 15 Ha of land
- 16,665 trees planted in 15 Ha of land

Hubli Dharward

- As per RAP, the magnitude of land acquisition in this proposed BRT is 73 acres including 13 acres of Government land.
- The LA will affect about 900 structures including 237 major impacts losing houses/shops or livelihoods including a large proportion of tenant shopkeepers.
- Finalization of RAP and completion of its review and endorsement by the Bank and approval by GOK has been completed by October 2012.
- The final RAP is disclosed in both the websites of the Bank and GoK(January 16 2013)
- The LA process is in progress.
- LA will be done through negotiated purchase.
- Structure cost will be provided as per replacement cost.
- Encumbrance removal plan is under finalization.

Environmental Safeguards

- EIA prepared and disclosed
- Trees Felling – 1750 for 8 lane configuration
- Forest Clearance – Obtained
- 4000 trees Plantation in addition to compensatory plantation.
- Plantation locations being identified in schools and parks.



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