

**INDIA****Punjab State Road Sector Project (Loan 4843-IN)****First Implementation Support Mission (March 16 – March 26, 2007)****Aide-Memoire****I. INTRODUCTION**

1. A World Bank team<sup>1</sup> visited the state of Punjab over the period March 16 to March 26, 2007 to support the Government of Punjab (GOP) in the implementation of the Punjab State Road Sector Project (PSRSP). The mission held meetings with the Public Works Department (PWD), the Punjab Roads & Buildings Development Board (PRBDB), Ministry of Finance (MOF), Punjab Infrastructure Development Board (PIDB), the Traffic Wing – Punjab Police, District Collectors (DC) of Patiala, Mohali, Sangrur and Ludhiana and undertook site visits to the roads contracts of Phase I under this project. The mission also held discussions with Chief Secretary, Hon'ble Finance Minister, and Hon'ble PWD Minister to brief them on the status of the project.

2. A wrap-up meeting was held and chaired by the Secretary, PWD on March 26, 2007. This aide-memoire summarizes the findings, recommendations and agreements reached during the mission. The mission wishes to thank GOP for their hospitality and collaboration. An action plan is shown in **Annex 1**. **Annex 2** lists the key persons met by the mission.

**II. KEY PROJECT DATA & PERFORMANCE RATING**

3. This project was approved by the Board of Directors on December 5<sup>th</sup>, 2006. The Loan and Project Agreements were signed on February 26 and the Governments have provided satisfactory legal opinions to the Bank. Therefore, the Loan is expected to be made effective around April 1<sup>st</sup>, 2007.

Key Project Data	Project Performance
Loan amount: US\$250 million	Development Objective: <i>Satisfactory</i>
Expected Effectiveness Date: April 2, 2007	Implementation Progress: <i>Satisfactory</i>
Closing Date: June 5, 2012	Environmental Safeguards: <i>Satisfactory</i>
Project Age: Not Applicable	Social Safeguards: <i>Moderately Satisfactory</i>
Loan Disbursed: Not Applicable	Risk Flags: <i>None</i>

**III. SUMMARY**

4. **Development Objective (DO):** The project's overall development objective is to improve operating conditions of State roads for road users, in a sustainable way, thus helping to provide the business enabling environment necessary to support Punjab's economic development strategy. Progress in achieving the development objective is rated as '*Satisfactory*' since: (a) bidding has been completed for 20 works packages whose total estimated cost is US\$ 93 million equivalent, of which 16 contracts have been awarded and work started in 5 contracts, with another 6 expected to start by March end or early April; (b) the procurement of the consultants for Phase II is progressing well; and (c) the implementation of the institutional strengthening component has been initiated.

<sup>1</sup> Consisting of Isabel Chatterton (Sr. Financial Specialist and Task Team Leader), Rajesh Rohatgi (Transport Specialist cum Co-Task Leader), Alok Bansal (Sr. Transport Planner), Ben Gericke (Sr. Highway Engineer) Sonia Chand Sandhu (Sr. Environment Specialist), Neha Vyas (Consultant, Environment Specialist), Parthapriya Ghosh (Social Development Specialist), Tanuj Mathur (Sr. Financial Management Specialist), Kiran Ranjan Baral (Sr. Procurement Specialist) and N. S. Srinivas (Program Assistant).

5. **Implementation Progress Rating:** Implementation is also rated as ‘*Satisfactory*’ for the reasons above, and due to the fact that about 34 km of Synthetic Drainable Base Course (SDBC) has been completed under three periodic maintenance contracts. The current estimated final costs of the project remain the same as appraisal, as only bids corresponding to Phase I have been received. Costs will be re-estimated during the next mission when Phase II bids have been received. Compliance with environmental and social safeguards is satisfactory and moderately satisfactory, but careful and regular follow up will be continued to ensure that as more civil works contracts commence in the next few months, the implementation progress’ rating can be maintained as satisfactory. Project management is rated as satisfactory, although there is low capacity for contact management at the field level. The mission advised that the project team, which will see some changes in the next 2 months, be strengthened with 4-5 additional engineers. Chief Secretary advised that after these changes are made, the project would be protected from further change of staff until the project is completed. Details by component are given in **Annex 3**, including the status of utility shifting.

6. **Safeguard Management:** The overall implementation of the Environment Management Plans (EMP) on going works and plans for mobilizing on other phase I works is satisfactory. However, as project implementation accelerates, it is important for PRBDB to maintain continuity in institutional arrangements for implementation of EMPs including systematic monitoring and reporting; obtain timely regulatory clearances; ensure public disclosure of environment information and provide regular training. Details of safeguards management are provided in **Annexes 4 (Environment) and 5 (Social Safeguards)**. Site visits on all roads were also conducted and observations provided in the Annexes.

7. The Mission conducted a re-orientation and sensitizing workshop (last one conducted during project appraisal) for PWD field engineers responsible for management of social and environmental safeguards, noting that there were a significant number of new officers. . Formats for monitoring and reporting the implementation of EMPs and RAP were also shared along with clarification on the roles and responsibilities of these officers to carry out these tasks. It was agreed that Project Managers (Social and environment) of PRBDB would systematically conduct such training sessions every three months for the field staff to maintain continuity.

8. The status of RAP implementation is **Moderately Satisfactory**. Section 5A notice under the Land Acquisition (LA) Act 1894, has been issued in all the districts except in Sangrur district and that is delaying the notification of section 6 in Ludhiana – Malerkotla upgradation road. The mission discussed this matter with PRBDB and the Deputy Commissioners of the concerned districts and urged them to expedite the process of land acquisition. It was agreed that PRBDB would make an assessment of the additional land requirements for rehabilitation and upgradation roads and certify if land is not required beyond their legal right of way (RoW). During the previous mission, it was also agreed that PRBDB would sign a memorandum of understanding (MoU) with the temple committee and tenants on Dehlon re-alignment (Ludhiana – Malerkotla road). However, no initiative has been taken due to state assembly elections.

9. The NGO hired for implementation of the Resettlement Action Plan (RAP) mobilized on December 13, 2006. So far the NGO has completed the verification of non-titleholders for one upgradation road and two rehabilitation roads. It was agreed that the NGO would take up verification of RAP data on roads where the contractor is soon to mobilize. Since the NGO has already mobilized, the mission reiterated to PRDB the urgency to designate one SDE from each CMU as Resettlement Officer. Grievance Redressal and Price Negotiation Committee has been constituted only in the Ludhiana and Sangrur districts. Both the committees need to be constituted in all the districts where the project roads are passing through. The mission also held discussion with the finance department of PRBDB to explain the process of disbursement of compensation and R&R assistance. The Project Manager (Social) will share the RAP, R&R Policy, formats for monitoring of RAP implementation and formats for micro plans with the finance department.

10. The final documents including R&R policy and Resettlement Action Plans for both rehabilitation and upgradation roads have already been disclosed. The PRBDB will share the disclosure report with the Bank by April 10, 2007. It was agreed that a copy of R&R policy and micro plans in local language will be placed at information kiosks on both rehabilitation and upgradation roads.

11. **Institutional Strengthening (ID)**. Following on the thrust of the TOR for the ID Study, the mission agreed with the Government to begin with implementation of several short term activities while the report of the Consultant is completed. The approach would therefore be phased in such a way that those efficiency improvements that could be implemented without a realignment of Government functions should commence immediately. These will form part of the initial short term plan. The intention is to include the activities that would require possible restructuring in the long term plan, specifically to allow the IDS consultant to complete his task and to allow for proper briefing of the new Government. The mission recommended to the Government of Punjab that both the short and long term plans may be adapted during the life of the project. It was agreed that the activities included in the short term plan would be completed during the life of the project and that the activities included in the long term plans could be initiated during the life of the Bank-funded project and be monitored even after closure. Details are provided in **Annex 3**.

12. **Road Safety**: The consultants have completed the exercise of identifying the accident blackspots on the core road network. It was agreed that the consultants would mark the identified blackspots on the project roads to be improved under both Phase I and II and carry out the safety audit of these. For Phase I roads the proposed designs would be reviewed after the safety audit and required mitigation measure would be incorporated in the available designs. Information on other identified black spots will be shared with PWD for further action. For Phase II roads, the consultant would provide the details of the appropriate mitigation measures to be incorporated during the design of these roads based on the stage I safety audit of the blackspots. Besides these, the consultants would select another 12-15 blackspots from the list on those roads where the incident of fatal accidents are increasing and prepare a mitigation plan for their improvement after the safety audit.

13. It was agreed that the PRBDB and the traffic police would discuss and agree on the accident collection system and analysis. The consultant would prepare a detailed proposal for implementation of this system and identify the training need for the traffic police staff in implementing it. The consultants have agreed to submit the final report on the road safety component by the end of April, 2007 including all the issues as discussed herein.

14. It was agreed that the PRBDB would initiate the process of hiring NGO for the road awareness campaign and issue the EOI by the end of March, 2007. The Bank would provide a sample TOR for this activity by end March, 2007.

15. **Computerization, GIS based RIS and RMMS**: The GOP had agreed to have an integrated computer system installed in the PWD and other road sector agencies working in the State. A system study was carried out through CDAC to identify the different modules required and the networking for the entire department. The PRBDB is in the process of finalizing the TOR for the services for computerization of the department and other related agencies including development of appropriate software, procurement of the required hardware and networking, its installation, support for operation and maintenance of the system and hardware, training of the staff and implementation support for few years. The PRBDB has proposed to use the Bank's two stage procurement process for IT services and hardware. The mission raised the issue of having a dedicated manager to look after this component with IT skills and the knowledge of the PWD system. It was agreed that this person would be on board by 15<sup>th</sup> April, 2007.

16. The PRBDB has informed the mission that about 70 percent of the State has been digitized by the forest department using the survey of India maps. They plan to get the rest of the area digitized and updated using the satellite imagery through the Center for Computation, Punjab Engineering College, on a sole source basis for the purpose of use in the GIS system. They would provide justification for their decision, TOR and estimated cost of services to the Bank by 15<sup>th</sup> April, 2007.

17. The PRBDB needs to include development of referencing system to transfer the road inventory (including bridges and culverts) data into the GIS framework. They would also review the strategy for data collection and processing on the road inventory system and inform the Bank of their decision on combining this service with the computerization services or appointing a separate consultant for this service. The computerization TOR should also include the integration of the RMMS (HDM-4 or any other system to be tailored for the department). The TOR should also refer to the Project Management System being developed for the use of PWD separately.

18. The success of the implementation of PWD computerization and its continuity would depend on the setting up a full fledged IT cell within the department which would interact with the consultant during its operation and maintenance and its roll out in the entire PWD. The GOP needs to develop a time framework for setting up this cell and share it with the Bank before the consultancy is awarded for this component.

19. **Project Cost:** A comparison of the cost estimates at appraisal and the bid amounts for Phase I shows that the bid prices may result in a 5.8% saving for the civil works component. This saving would be utilized in Phase II. Therefore, no change in the overall project cost is envisaged as of today. The increased estimate for maintenance is due to grouping of other works along with maintenance under performance-based maintenance contracts.

Component (inc. contingencies)	Project Appraisal Document (US\$ Million)	Bid Prices US\$ Million	Variation US\$ Million
A - Road Development Component 1	310.3	310.4	-
Road Upgrading	221.5	187.59	-33.93
Rehabilitation	66.9	66.9	-
Maintenance and Other works	22.0	55.91	+33.93
B- Institutional Strengthening Component 2	11.0	11.0	-
Incremental Operating Costs	12.0	12.0	-
<b>Total Project Cost</b>	<b>333.4</b>	<b>333.4</b>	<b>-</b>

20. **Disbursements and Financial Management:** As per the project agreement, audit of PSRP is to be undertaken by the Auditor General (AG), Punjab as per Terms of Reference (ToR) agreed during project preparation. However, the AG, Punjab has not received necessary instructions regarding the same from the Comptroller and Auditor General (C&AG), New Delhi. GoP is required to take up the matter with the C&AG and DEA on a priority basis to ensure issues of necessary instructions to AG, Punjab.

21. Cheques are issued under dual signatures at the PRBDB; however a single signatory is authorized to sign all cheques at the divisions. This is a weakness in internal controls, and since quantum of payments at the divisions is significant, a second signatory needs to be added by Apr 07.

22. FMR reporting was discussed in detail; it was clarified that separate FMRs should be submitted for (a) retroactive period; and (b) for the project upon effectiveness, including a six month forecast. GOP intends to submit a disbursement request immediately upon project effectiveness (see **Annex-6** for further details on Financial Management).

23. **Procurement.** Overall procurement progress is satisfactory, although many decisions and actions could not be taken during January and February 2007 due to the state elections and the code of

conduct. Though the average number of bids received in upgrading (UG) contracts appears satisfactory (8, 9 and 3 bids received for UG1, UG2 and UG3 respectively), overall the average number of bids received is 3.44 reflecting acceptable levels of competition, except for rehabilitation (RH) contracts where the average for 6 contracts is 2.33 bids per contract, which is rather low. PRBDB must continue to proactively inform the local construction industry and overseas of upcoming contracts, as this has contributed to good response rates in UG contracts – better than the general trend in India. In addition, the 15 contracts awarded (out of 20) have gone to 10 contractors, with some contractors responsible for concurrently executing up to 3 contracts under this project. Given the distinct possibility that these firms may also be simultaneously implementing other contracts, PRBDP should closely monitor contractor performance and work progress in these works to ensure quality and timely completion. See **Annex-7** for a summary of procurement implementation.

24. **Next Implementation Support Mission:** The next mission is tentatively scheduled for mid to late September, 2007. The project workshop launch is tentatively scheduled for early May, 2007.

## Annex-1

## Actions to be taken

S. No.	Key Actions	By whom	Target Date
<b>CIVIL WORKS COMPONENT</b>			
<b>Upgrading Works, Rehabilitation &amp; Maintenance</b>			
	PM 1 - Commencement of repair work on the first 0 to 17.5 km.	Contractor / EE	Mar. 19, 2007
	Submission of job mix formula on SDBC	Contractor	Mar. 22, 2007
	PM 2 – Submission of job mix for BC/SDBC/ and work program	Contractor	Mar. 27, 2007
	PM 4 – NOC for operating the installed plant & machinery	Contractor	April 10, 2007
	Contractors for all the awarded works to be on Board	Contractor / PRBDB / EE	Apr. 30, 2007
<b>Consultancy Services (Supervision / Technical / other)</b>			
	Complete mobilization of TA consultant	TA Cons / PRBDB / EE	Apr. 30, 2007
	Presentation by TAC to field division of PWDs and contractors on quality assurance and control tests	TA Cons.	Apr. 7, 2007
	TOR and estimated cost for digitization of maps.	PRBDB	15 <sup>th</sup> April, 2007.
	Submit the request for no objection to the Bank for awarding the consultancy concerning Long-term Maintenance and Performance-based Maintenance contracts	PRBDB	15 <sup>th</sup> April, 2007.
<b>INSTITUTIONAL DEVELOPMENT COMPONENT</b>			
	Resubmit Interim Report II	PWC/BCEOM	May 30, 2007.
	Draft TOR for Road Reclassification Consultant	PRBDB	April 15, 2007
	Draft TOR for Transport Sector Master Plan	PRBDB	April 15, 2007.
	Visit to agencies in Australia and New Zealand	PWD/PRBDB	May 30, 2007
	In principle agreement by GoP on roles and responsibilities of agencies in sector	GoP	September, 2007
	Appoint Change Manager	PW/PRBDBD	October 30, 2007.
<b>Computerization, GIS based RIS and RMMS</b>			
	Dedicated Manager for this component on Board	PRBDB	Apr. 15, 2007
	Hiring of Punjab Engineering College for GIS system – justification, TOR and cost estimates to be sent to the Bank	PRBDB	Apr. 15, 2007
<b>Training</b>			
	Training to staff on contract management	PRBDB	April 15, 2007
<b>Social Safeguard</b>			
	Comments on NGOs verification survey	PRBDB	Mar. 31, 2007
	One SDE from each field office to be designated as RRO	PRBDB	Apr. 10, 2007

	Appointment of one Government official to coordinate land acquisition and R&R activities with District Authorities	GoP	April 30, 2007
	Marking of COI on ground for land acquisition	PRBDB	Apr. 15, 2007
	Certify that no land is to be acquired for approaches of 30/1 bridge in UPG 3.	PRBDB	Apr. 15, 2007
	Constitution of GRC and LNC for balance roads	PRBDB/GoP	Apr. 30, 2007
	Signing of MOU with temple committee and tenant of Dehlon re-alignment	PRBDB / NGO	Apr. 30, 2007
	Preparation of section 6 notices and joint verification survey with revenue for land acquisition	PRBDB and NGO	May 15, 2007
	Appoint NGO for awareness campaigning of HIV/AIDS Strategy and Plan	PRBDB	July 30, 2007
	Refresher training for field staff on social assessment and RAP implementation	PRBDB	Quarterly
	Workshop on R&R policy and SIA for revenue staff of Mohali, Patiala, Ludhiana and Sangrur districts	PRBDB	April 11 and 12, 2007
<b>Environmental Management</b>			
	Disclosure Report to be shared with the Bank	PRBDB	Apr. 10, 2007
	Designated environment management officers in the field offices on board.	PRBDB	Apr. 15, 2007
	Explore the possibility of outsourcing an agency for training to ensure continuity and systematic implementation of EMPs	PRBDB	Apr. 15, 2007
	EO's exposure to environment management practices being followed in other Bank funded SH projects	PRBDB	Apr. 30, 2007
	Final clearances for tree cutting for cases where in principle clearance had been obtained	GoP	Apr. 30, 2007
<b>PROJECT MANAGEMENT</b>			
<b>Financial Management</b>			
	Second authorized bank signatory in the field offices	PRBDB	Apr. 30, 2007
	Provide training/ issue necessary guidelines regarding Resettlement and Rehabilitation (R&R) payments	PRBDB	May 31, 2007
	Get expenditure under the PPF, audited by a firm of Chartered Accountants	PRBDB	May 31, 2007
	Hire Internal Auditors, as per a modified ToR	PRBDB	Jun. 30, 2007
	Install Financial Accounting Software at all locations, provide necessary staff and training	PRBDB	Jun. 30, 2007
<b>Procurement</b>			
	Agree on possible simplification of Excise/Customs form in bidding documents	World Bank	15 <sup>th</sup> April, 2007.
<b>Project Resources</b>			
	Authorise vehicle access to JAEs	GoP	March 30, 2007
	Appoint 5 new Project Managers in PRBDB	GoP	30 <sup>th</sup> April, 2007.
	Decision to authorize government allowances for project staff	GoP	15 <sup>th</sup> April, 2007.

**Annex-2****List of Persons Met****Government of Punjab**

1. Mr. Parminder Singh Dhindsa, Hon'ble PWD Minister
2. Mr. Manpreet Badal, Hon'ble Finance Minister
3. Mr. R. I. Singh, Chief Secretary
4. Mr. Karan Avtar Singh, Secretary, PWD
5. Mr. Yogesh K. Goel, Chairman, Pollution Control Board
6. Mr. Jitendra Sharma, Chief Conservator of Forest, Forest Department
7. Mr. H. I. S Garewal, Deputy Commissioner, Mohali
8. Mr. Dharamiit Singh Garewal, Deputy Commissioner, Patiala
9. Mr. S. R. Ladhar, Deputy Commissioner, Sangrur
10. Mr. Sumer Singh Guriar, Deputy Commissioner, Ludhiana
11. Mr. H S Dhillon, Inspector-General, Traffic Wing, Punjab Police
12. Mr. S S Mand, SP, SAATH

**Public Works Department**

13. Mr. A.K. Sood, Chief Engineer, PWD

**Punjab Roads & Bridges Development Board**

14. Mr. Amrit Inder Singh, Chief Engineer / Project Director
15. Mr. Kulwinder S. Rao, Joint Project Director / Joint Secretary
16. Mr. Gursharan S. Gill, Deputy Project Director
17. Ms. Aparna Gupta, Project Manager, Social
18. Mr. K. Kabilongtshup, Project Manager – Environement
19. Mr. P. N. Roy, Project Manager – Social
20. Mr. Piara Ram, Consultant (Finance)

**Punjab Infrastructure Development Board**

21. Mr. J. S. Mann, Chief General Manager
22. Mr. Gagan Anand, Chief Legal Advisor

**Development Initiatives and Systems Alternative**

23. Mr. R. R. Sharma, Team Leader
24. Mr. Sudesh Kaul, Project Coordinator

**Consultants**

M/s Consultants for Technical Audit  
M/s CES Consultants for the Feasibility Study  
M/s BCEOM Consultants for the Upgrading  
M/s ICT Consultants for the Rehabilitation

**Annex-3****PROGRESS BY COMPONENT****Road Upgrading, Rehabilitation and Maintenance Component**

Bids for all 18 work contracts including 3 upgrading, 6 rehabilitation and 9 periodic maintenance envisaged under the phase I of the project has been received and letter of acceptance for 8 periodic maintenance contracts, 3 rehabilitation contracts and one upgrading contracts has been issued. It is expected that all contractors would be on board by April 30, 2007. Contractors in periodic maintenance works are still mobilizing and have not yet started operation of hot mix plants. The Bank urged PWD divisions and contractors to complete mobilization and start repair works.

**Technical Advisory Consultant (TAC) for Phase I NCB Works.** The PRBDB has agreed in principal to award the technical advisory consultancy for all NCB works to the design consultants who carried out the design for all rehabilitation works. The negotiations have been completed and consultants have mobilized two key professionals including the Team Leader. It was agreed that consultants would be fully mobilized by April 30, 2007 and would designate one staff as a nodal person to review the implementation of EMP. It was also agreed that the consultants would submit and agree a monthly reporting format with the PRBDB.

During the field visits, particularly on the periodic maintenance contracts, the mission observed a lack of awareness among the field division staff and contractors on the quality control tests required to be performed to certify works and it was also agreed that the consultants would develop and deliver a presentation to all field division of PWDs and contractors engaged for periodic maintenance works on quality assurance and quality control tests by April 7, 2007.

**Construction Supervision Consultants (CSC) for Phase I ICB Works.** The PRBDB has agreed in principal to award the CSC services for all ICB works (UPG1, 2 and RH4) to the design consultants who carried out the design for all upgrading works, however formal negotiations have not been taken place. The Bank urged PRBDB to negotiate the part B services and agree on mobilization date in line with the upgrading contract procurement.

**Pre-construction activities - *Shifting of Utilities:*** The mission was informed that the field divisions of PWD divisions have deposited funds to the Punjab State Electricity Board (PSEB) for shifting of the electrical poles, transformers and HT lines under all rehabilitation and upgrading contracts. The funds for shifting the public health utilities like Water supply pipelines, sewers, diesel pipeline have also been deposited to the concerned department. However, the actual work of shifting majority of the above utilities has not yet been commenced due to the pending final approval from MOEF to cut the trees and transfer the forest land to PWD. The mission urged PRBDB and concerned PWD field division to focus on the first milestone stretches and pursue with the concerned department to start shifting the utilities which are not affected by the forest clearance. PRBDB also need to pursue with Bharat Sanchar Nigam Limited (BSNL) to shift the Optical Fiber Cable (OFC) and telephone poles. See Attachment 1 for the status of utility shifting.

**Contract Management:** The mission observed a lack of awareness among the field staff as regards to the contract management. The mission noticed that in few contracts, contractors have not been levied liquidity damages, while they have not performed the requisite task under

milestone 1. In few cases, the contractor has submitted the extension of time application but the Engineer (Executive Engineer) has not taken a decision on the application. The repairs works carried out by contractors have not been measured in some cases and majority of contractors have not submitted their bills. The Bank strongly recommends PRBDB to train the field staff in the contract management on urgent basis. It was agreed that a training workshop would be conducted on contract management by April 15, 2007.

**Resources to the PWD Field Divisions:** During the site visits, the mission held discussions with the Executive Engineer and Sub Divisional Engineers (SDEs) of the field divisions and the common concerns raised by most of the divisions were the lack of adequate support staff, space, computers and transportation. The mission was informed that there is a Government order to hire vehicles but it needs to be clarified and ensured that JEs also have access to vehicles whenever required.

**Staffing:** The mission recommends that there is need to review the current and phase II works for each division and depending upon the volume of work, the staffing may be strengthened appropriately. The mission proposes that there is a need of an additional SDE in the central works division 3, Ludhiana. It was also agreed that PWD would designate at least one JE or SDE as the focal point on matters related to Social and Environment.

**Management Information System:** The mission appreciate efforts of PRBDB to initiate development of resources based work program in MS Project which would be installed in the field divisions to monitor the progress of works. The program would have three major modules consisting of physical works, implementation of EMP and LA R&R. This system would be accessible by the PRBDB HQ in real time and would support generation of the quarterly progress report as well as few formats of FMR. The bank highlighted need of training and preparation of a user manual in order to make this system useful and sustainable.

**Variations in the Pavement Repair Provisions:** The mission was informed that there are large variations in the provision of pavement repair works in periodic maintenance and rehabilitation works due to heavy rains. The mission suggested that all divisions prepare a detailed estimate of this variation and informed that this could be funded out of the project.

**Road Safety:** The mission had a meeting with Inspector General (IG) of traffic wing, Punjab Police to discuss the road safety initiatives proposed under the project. It was decided that the Traffic Wing, Punjab Police would review the list of accident black spots proposed to be improved under the project and the proposal prepared by the consultants to introduce the Accident Data Collection System. It was also agreed that PRBDB in consultation with Traffic Wing would engage a consultants to prepare training module for data collection and analysis and impart training to the traffic police in the state. The Traffic Wing, Punjab Police would designate some officials to work closely with these consultants. The Traffic Wing also informed that they are planning to establish three traffic control rooms in the districts of Ludhiana, Jalandhar and Amritsar. It was agreed that the project would support computerization of these control rooms. The traffic police also intend to buy a Road Crash Lab vehicle, developed by Institute of Road Traffic Education (IRTE) for analysis of major accidents in the state. The IG traffic also informed that there are several unmanned railway crossing in the state which are accident prone. The IG traffic proposed that sign boards depicting the drill required by drivers before crossing the railway lines should be installed on both side of the railway line to alert vehicles. It was agreed that this proposal can be supported under the project. Traffic Wing would identify such crossings and submit the list to PRBDB.

The Traffic wing also informed the mission that they would like to know the contractors obligation under the contracts as regards to the traffic management during construction and road safety provision. The Bank appreciate their intention to disseminate this information to their districts traffic police stations for awareness. It was agreed that PRBDB would prepare a note on the contract provisions and contractors obligation and submit to the traffic wing, Punjab Police.

The Bank urge PRBDB to finalize all proposals under the road safety area of Institutional development component and start procuring goods and consulting services.

### **Selective Site Visit Observations**

***PM 1 (Ajnala – Ramdass – Chehra Dand Bir):*** The contractor has not started any works on the site and there were no signs that the contractors had mobilized labour, equipment of machinery. The mission visited the camp site of the contractor where the hot mixed plant has been commissioned. There was no project manager available at the site to discuss the progress and contractors work plan. It was agreed that the contractor would appoint project manager at the earliest possible so that the work can be carried out efficiently and completed on time. It was also agreed that the plant would be made operational to ensure the commencement of the pavement repair work from March 19, 2007, which will be completed within a week on the stretch from 0 to 17.5 km. It was agreed that the contractor would submit the job mix formula for SDBC by March 22, 2007. The mission suggested that all shoulder / culvert repair work etc. need to be started immediately. The mission also suggested that though adequate material stock has been piled, but appropriate testing needs to be done before accepting / using the same. It was agreed that the contractor will submit to PIU a detailed resource based work program by March 21, 2007.

***PM 2 (Gurdaspur – Sri Hargobindpur Road) & PM 11 (Sri Hargobindpur – Batala – Dera Baba):*** These contracts are being constructed by a single agency. However, till now not there has been no progress on the site. The mission was informed that 3 km. of SDBC has been completed, however measurement and quality tests were not undertaken to certify the works. The mission was informed that due to poor weather conditions, patch work could not be carried out and it was agreed that the work will commence from March 20, 2007. It was also agreed that the job mix for the BC/SDBC will be submitted to the Engineer by March 26, 2007. It was also agreed with the contractor and PRBDB that the work program will be finalized and submitted by March 27, 2007. The contractor, to an extent, seemed to be equipped to carry out the work, however, it is envisaged that the contractor would need to mobilize additional equipment to finish the work on time. The mission suggested that the Executive Engineer convene a weekly progress meeting with the contractor to review the progress and resolve the pending issues.

The mission observed that all the equipments present at the camp site belonged to different companies and suggested the Engineer to examine the situation and issue a notice to the contractor under GCC clause 7.

***UG 3 (Attari-Chhabal-Taran Tarn Road):*** The letter of acceptance has been issued to the contractor on February 27, 2007, however the contract has not yet been signed. The mission observed that the contractor has identified the camp site and procured the required environmental clearance from PRBDB.

The mission was informed that the in-principle Forestry clearances have been sought. The formal clearance is expected to be received shortly. The mission was informed that there are no Land Acquisition issues on this contract. On this contract there are in all 41 electric poles that need to be shifted and out of these 8 of them have already been shifted. The mission was informed that

the road under this package passes through the defence area wherein a bridge is required to be constructed. In this regard, PWD has communicated with the Commander, through a letter, seeking their permission to carry out this work. It is expected that the NOC from the Defence unit will come in the next one month. The mission urged PRBDB/PWD to start dialogue with railways for the works on the section passing through a railway crossing (near Attari station).

***RH 3 (Phillaur – Aur – Rahon – Nagar):*** The letter of acceptance has been issued to the contractor and the contract is expected to be signed by the end of this month. The mission observed that one of the key issues to be resolved under this contract is to resolve the NH junction improvement matter with NHAI. The mission, during its site visits, observed that the contractor has identified site to set up the camp.

***PM 4 (Khanna – Samrala – Nawashahar – Garhshankar Road):*** This contract was signed on March 13, 2007 and the contractor is under mobilization. The camp site has been identified and the batch mixing plant has been installed. The mission was informed that NOC for operating the installed plant and machinery is yet to be procured and this exercise is expected to be completed by April 10, 2007.

*PM3, UG2, PM7, RH6, RH1 and RH2* were also visited. Relevant comments on the implementation of social and environmental safeguards are made in the respective sections as appropriate.

### Institutional Strengthening Component

The mission supervised progress made on the institutional development study. The study was delayed to allow for the completion of the State elections in Punjab State. The mission agreed with this approach, as the main focus of the study would include recommendations on realigning the current road Ministries and Agencies and that any recommendation would be premature if the findings of the study were not discussed with the new leadership.

The PRBDB briefed the mission on the issues raised in the draft report submitted. These comments, including the comments raised by the mission, would be forwarded to the Consultant with a request to resubmit the Interim Report II by May 30, 2007.

Following on the thrust of the TOR for the IDS, the mission agreed with Government to already begin with implementation of several short term activities while the report of the Consultant is completed. The approach would therefore be phased in such a way that those efficiency improvements that could be implemented without a possible realignment should commence immediately. These will form part of the initial short term plan. The intention is to include the activities that would require possible restructuring in the long term plan, specifically to allow the IDS consultant to complete his task and to allow for proper briefing of the new Government. The mission recommended to the Government of Punjab that both the short and long term plans may be adopted during the life of the project. It was agreed that the activities included in the short term plan would be completed during the life of the project and that the activities included in the long term plans could be initiated during the life of the Bank-funded project and be monitored even after closure.

**Short Term Plan.** Under the short term plan, the mission agreed on the following activities

- a. **Road reclassification:** The mission agreed with government that it is essential to undertake a road reclassification study. This will form a basic building block to improve road network management if the road links are grouped in terms of functionality, traffic volumes, strategic importance, etc. Under this study, the entire road network prevailing in the state needs to be reviewed and reclassified. The mission is expected to receive the draft TOR for the study by April 15, 2007 and agreed on September 30, 2007 as the target date for appointment of the Consultant.
- b. Subsequent to such reclassification, GOP should develop a **Road Maintenance Management System** covering all the aspects of the road viz; database of all the reclassified roads, their existing condition, recommendations on the type of maintenance system to be adopted etc. and link the same with the Geographical Information System (GIS). The mission shared generic TORs developed by the Transport group. It was agreed to submit the draft TOR by April 30, 2007, for review. This will result in a target date for appointment of the consultant by October 31, 2007.
- c. In the suggested short term plan, GOP should also focus upon the issue of **Axle load control**. Currently, under the Motor Vehicles Act the permissible axle-load limit is 10.2 ton. However, it has been noted that this policy is not being strictly followed or enforced. Therefore, the mission suggested that as part of the short term plan, GOP should consider the creation of a joint management arrangement between the Ministry of Transport, responsible for the operation of the existing weigh-bridges in the State, and the Ministry of Public Works, responsible for providing and maintaining the plan roads. PWD will, based on the outcome of the initial discussions, draft a Memorandum of Understanding to define the responsibilities of all parties at each of these weigh bridge sites.
- d. The mission also proposed that the GOP should undertake a **Transport Master Plan Study** to ensure that the planned future investments in the transport sector will support the overall development of Punjab State. The mission shared TORs with the PRBDB and PWD who agreed to submit the draft TOR to the team by April 15, 2007.
- e. Within the short term plan, the GOP will develop a **five year rolling** road plan. This is in line with GOP budgeting directives where the first year represents the budget of the particular FY with the last four years providing a good indication of the size of the required funding for the sector. Initially, this rolling plan will include the road network as per the current classification. However, the expected efficiency increases that will flow from the short term actions will be used to improve and fully align the said plan.

**Long Term Plan.** Under the long term plan, GOP needs to focus on realigning the management and financing of the road sector. One of the required outputs of the IDS-study is to come up with recommendations for change and to provide a road map to implement such change. With the study not completed yet, the mission reviewed the overall strategy of Government and agreed on the following in terms of institutional change;

- f. The interim report strongly suggests that the GOP should consider the creation of one roads agency responsible for management of the road network. This has several implications, as, currently, several Ministries and Agencies are responsible for managing parts of the Punjab road network. Also, there is a strong suggestion of overstaffing in the PWD in the non-technical cadres. In order to prepare for the change Government could already begin with the following;

- i. Commence with the development of a personnel data base for the affected functions. This data base would be used to identify all vacant positions and then abolish these to ensure that no further appointments are made in the non-technical positions prior to the envisaged formation of the Agency.
  - ii. Appoint a Change Manager by June 30, 2007.
- g. Looking at the lack of optimization of the existing funding arrangement to meet the maintenance requirements of the roads, the report strongly suggests the formation of a separate road maintenance fund. This is in line with already existing Government initiatives where a RMF will be established under the PRBDB. The mission learnt that Government will establish a Road Maintenance Fund (RMF) and will transfer the first budgetary allocations at the start of the new FY, by July 2007. The RMF, a potential forerunner for the fund envisaged under the IDS-study, would primarily be used for funding both routine and periodic maintenance activities. The mission agreed on the support to be provided for the Fund secretariat. This will focus on establishing proper financial management and engineering oversight functions.

**Support to PPPs.** The mission also discussed with GOP the developing of further road PPP's in the State of Punjab. To date this initiative was managed by the PIDB as the nodal agency. The PIDB agreed to undertake a joint PPP-transaction in the road sector where the PRBDB would appoint the transaction adviser and the PIDB would retain its role as adviser and nodal agency. The mission also advised GOP to identify potential corridors for the implementation of such a PPP and agreed that the transaction advisory services for implementation of the PPP component will be funded under this project.

## Status Regarding Shifting of Electric Utilities under Punjab State Road Sector Project

Package no.	Description/	Name of PSRSP field Division	Sub Division of concerned department (PSEB)	Status		
				Funds Released by PWD	Progress of Physical Work	Remarks
<b>Upgradation Works</b>						
Package 1	Upgradation of Kharar-Banur- Tepla ( 39.53 Km)/	Central Works Division, Mohali	Kharar	Rs. 44.90 lac deposited on 06.10.06.	NIL	Work to be started after forest clearance.
			Sohana	Rs. 6.66 lacs released on 27.7.2006		
			Banur	Rs.5.77 lac deposited on 28.07.06		
			TLSC Mohali	Rs..8.06 lac released on 07.09.06		
			Rajpura	Rs. 52790/- deposited on 27.7.2006		
<b>Upgradation of Ludhiana-Malerkotla-Sangrur ( 71.92 Km)</b>						
Package 2	(a).Ludhiana-Malerlotla Road (39.7Km)	Central Works Division No. 3, Ludhiana	Janta Nagar	Funds ( Rs.14203/-) released on 10.07.06	NIL	Clearance from Forest Deptt awaited.
			Sarinh	Funds released on 06.03.07.		Clearance from Forest Deptt awaited.
			Ahmedgarh sub urban	Funds released on 06.03.07.		Clearance from Forest Deptt awaited.
			Kup Kalan	Rs.9,23,690/- deposited on 20. 09.06		Clearance from Forest Deptt awaited.
			Malerkotla city II	Rs.24,80,000/- deposited on 20.09.06		Clearance from Forest Deptt awaited.
			Municipal Council, Malerkotla	Funds released on 06.03.07.		Clearance from Forest Deptt awaited.
	(b).Malerkotla-Sangrur Road ( 32.22 Km)	Construction Division, Sangrur	Malerkotla Division		NIL	Clearance from Forest Deptt awaited.
			City I	Rs.5.29 lac deposited on 29.09.06		
			City II	Rs. 3.04 lac deposited on 29.09.06		
			Sub Urban	Rs.(0.74+0.16) lac deposited against two estimates on 29.09.06		
			Dhuri Divison		NIL	Clearance from Forest Deptt awaited.
			City Sub Urban	Rs. (11.29 + 5.38) lac deposited against two number estimates on 09.10.06		
			Sub Urban Sub Div. Dhuri	Rs. (0.49 +0.43) lac deposited against two number estimates on 18.10.06		
			Sangrur Division		NIL	Clearance from Forest Deptt awaited.
City Sub Division Sangrur	Rs.23,850/- deposited on 04.09.06					
Sub Urban Sub Division B.Khan	Rs. 6.64 lac deposited on 26.09.06					

Package no.	Description/	Name of PSRSP field Division	Sub Division of concerned department (PSEB)	Status		
				Funds Released by PWD	Progress of Physical Work	Remarks
Package 3	Upgradation of Attari-Chabbal-TarnTaran road (41.59 Km)	Central Works Division No. 2, Amritsar	Gohal & Tarn Taran Sub Divisions	Rs. 1.52 lac deposited on 15.09.06	4 poles shifted. Presently work stopped.	Work to be started after forest clearance.
			Manochal	Rs. 1.98 lac deposited on 15.09.06	No	
			Chabal		No	
			Sarai Amanat Khan	Rs. 3.40 lac deposited on 26.09.06	No	
		Attari	Rs. 1.94 lac deposited on 27.09.06	4 poles shifted. Presently work stopped.		
<b>Shifting of Electric Utilities</b>						
<b>Rehabilitation Works</b>						
Package 2	Rehabilitation of Chandigarh-Landran-Chunni-Sirhind (37.30 km)	Central Works Division, Mohali	Kharar	Rs. 0.72 lac deposited on 29.08.06	NIL	
			Sohana	Rs.3.0 lac deposited on 29.08.06		
			Badali Ala Singh	Rs.0.28 lac deposited on 29.08.06		
			Bassi Pathana	Rs. 0.92 Lac deposited on 01.09.06		
Package 3	Rehabilitation of Phillaur-Aur-Rahon-Nagar (33.51 km)	Central Works Division No. 3, Ludhiana	Phillaur	Rs 6.95 lac deposited on 25/09/06	NIL	Clearance from Forest Deptt awaited. Encroachments are also available.
			Appra	Rs.2.91 lac deposited on 26.09.06		
			Appra (Nagar)	Rs. 3.26 lac deposited.		
			Aur	Rs.7.23 lac deposited on 25/09/06		
		Rahon	Rs.1.13 lac deposited on 25/09/06			
Package 4	Rehabilitation of Kapurthala-Tarn Taran (46.20 km)	Construction Division No. 1, Kapurthala	PSEB Kapurthala	Rs.( 29,403/- +73,507/- + 4,73,091/-) deposited for all the three estimates.	Work Completed.	
					Work Completed.	
			PSEB Tarn Taran	Funds (Rs.76,369/-+ Rs.1,67,987/- + Rs.1,67,987/-+Rs.93,259/-) released for four number estimates.	Work in progress	
Package 1/ 5	Rehabilitation of Ferozepur-Zira-Dharamkot road (59.16 km)	Construction Division No. 3, Ferozepur	PSEB Moga	Rs 4.0 lac released on 28.07.06/ Rs.3.10 lac released on 02.08.06	NIL	Clearance from Forest Department awaited.
			PSEB Zira	Rs. 2.0 lac deposited.	10% work completed	
			Executive officer,Zira	Rs. 2.0 lac deposited.	Nil	Clearance from Forest Department awaited.
			PSEB , Ferozepor	Rs. 0.655 lac deposited.	100% work completed.	
			PSEB,City Div.	Rs. 0.12 lac deposited.	14 % work completed.	
			PSEB Cantt-I	Funds deposited	NIL	Clearance from Forest Department awaited.
			Executive officer,Fzr. Cantt.	Rs. 0.97 lac deposited.	90% work completed.	

## Status regarding shifting of Public Health utilities for roads under PSRSP.

Package no.	Name of Project road	Name of PSRSP field Division	Sub Division of concerned department	Status		
				Funds released by PWD	Physical Progress	Remarks
<b>Upgradation Works</b>						
Package 1	Upgradation of Kharar-Banur- Tepla (39.53 Km)	Central Works Division, Mohali	W/S and Sanitation Div. Mohali	Rs. 6.79 lac deposited on 18.07.06	Work not started	Work to be started after forest clearance
			W/S and Sanitation (RWS) Sub. Div.No.1, Rajpura.	Rs.6.15 lac released on 02.08.06	Work Completed	
			W/S and Sewerage Div., Ropar.	Rs.23.49 lac deposited on 28.07.06	Work not started	Work to be started after forest clearance
			Water supply & Sewerage Board, Ropar.	Funds Rs.1.99 lac deposited on 18.07.06	Out of 15 man holes 12 man holes are raised.Presently work has been stopped.	Work stopped as raising of man holes may cause accidents.
Package 2	(a).Ludhiana-Malerlotla Road (39.7Km)	Central Works Division No. 3, Ludhiana	PH Division, Ludhiana	Rs.3.5 lac deposited vide 1587 /14.08.06	Work not started	Clearance from Forest department is awaited.
			PH Division, Barnala	Rs.0.77 lac released.	Work not started	
			W/S & Sewerage, Div. Malerkotla	Rs.4.35 lac released vide 1660/30.08.06.	Work in progress.	
	(b).Malerkotla-Sangrur Road ( 32.22 Km)	Construction Division, Sangrur	RWS,PH,Barnala	Rs 2.07 lac released on 02.08.06	Approx. 613 m pipe line shifted.Presently work stopped.	Work stopped due to non clearance from the forest department.
			WS&SB, Sangrur	Rs. 9.54 lac released on 24.08.06	Work in progress.	
			Sewerage Board, Sangrur	Rs.68,000/- released	Work not started.	
Package 3	Upgradation of Attari-Chabbal-TarnTaran road (41.59 Km)	Central Works Division No. 2, Amritsar	RWS Tarn Taran	yes	No	
			RWS Asr.	yes	No	
<b>Rehabilitation Works</b>						
Package 3	Rehabilitation of Phillaur-Nagar-Aur-Rahon (33.51 km) stretch Phillaur-Nagar	Central Works Division No. 3, Ludhiana	PWSSB, Phillaur	Rs. 6.94 lac released vide no. 1415/27.07.06	Work Completed	Work not started due to non clearance from forest department and encroachments.
			RWS Division, Jalandhar	Rs.9.36 lac released vide no.1416 dated 27.07.06	NIL	
	RWS Division, Jalandhar		Rs.4.07 lac released on 01.08.06	NIL		
	RWS Division Nawanshahar		Rs.1.91 lac deposited on 09.08.06	NIL		
	Nagar-Rahon					

Package no.	Name of Project road	Name of PSRSP field Division	Sub Division of concerned department	Status		
				Funds released by PWD	Physical Progress	Remarks
Package 1/5	Rehabilitation of Ferozepur-Zira-Dharamkot road (59.16km)	Construction Division No. 3, Ferozepur	WS&SB, Ferozepur	Funds deposited	No	Clearance from Forest department is awaited.
			Executive Engineer Moga			
			Executive Officer Dharmkot	Rs. 10.00 lac deposit vide no. 234/18.07.06.	NIL	Clearance from Forest department is awaited.

**Annex 4****Environmental Safeguards**

The mission focused on institutional arrangements for implementation of Environment Management Plans (EMPs) for Periodic Maintenance, Rehabilitation and Upgrading works, including systematic monitoring and reporting; status of regulatory clearances; implementation of EMPs on ongoing works; public disclosure of environment information and training requirements. Site visits were conducted on all roads (details in Attachment 1), and key observations and agreed actions are as follows:

**Institutional arrangements and operational mechanisms**

***Environment Officers (EO) at PRBDB and at the field offices:*** The mission appreciated the continuity of the EO at the PRBDB head office and noted that appropriate direction was being provided by him at the field level. This effort would be more sustainable if there were officers at the field offices designated with environment management responsibility as well. It was agreed that this arrangement would be finalized by April 15, 2007.

Environment awareness and training for PRBDB/PWD officers to maintain continuity on EMP implementation:

- The mission observed a high turn over of officers on the field and noted that sensitization and awareness on environment aspects of the project varied across all districts and road packages. The Bank together with PRBDBs' EO conducted a recap of environment awareness training for field officers (covering EEs,, SDOs and JEs) to address this issue and provide continuity on EMP implementation, including an introduction to reporting and monitoring mechanisms. Particular focus was given on the roles and responsibilities of these officers to manage EMP implementation. Training materials and monitoring formats were redistributed to all officers (previously shared by PRBDB on June 2006, and February 2007) List of materials provided in Attachment 3. It was also agreed that on-site training for all new officers would be carried forward by the PRBDB's EO and completed to cover newly appointed staff in the next three months.
- It was agreed that PRBDB would explore the possibility of outsourcing an agency for training to ensure continuity and systematic implementation of EMPs keeping with the contractor and site mobilization schedule. This decision would be taken by April 15, 2006.
- It was further discussed that the EO would gain from exposure to environment management practices being followed in other States where road projects were being funded by the Bank and it was agreed that a plan to carry this out would be finalized by April 30, 2007.

***Environment awareness and sensitization for Contractors:*** Site observations and discussions with Contractors who had mobilized confirmed the need for focused environment management training for this key target audience to ensure effective EMP implementation. It was agreed that as majority of contractors mobilize, a joint training along with Field Officers would be conducted by PRBDB. The Bank agreed to provide technical assistance in this regard, and PRBDB would inform the Bank on a suitable timeline.

**Monitoring and reporting:** The mission held detailed discussions with the EO and the field officers to clarify reporting and monitoring parameters and relevant formats were shared with all concerned. Discussions also addressed gaps in information flow from field to PRBDB head office to ensure systematic monitoring and consolidate reporting of compliance with EMPs. In this regard the mission also reviewed the formats to align with the proposed MIS to ensure consistency with other components of the project for ease of overall project monitoring.

**Health, Safety and Environment Policy:** The mission appreciated PRBDB's initiative on developing the stated policy. Detailed discussion and comments were provided to further develop the policy on the lines of ISO 140001 on Environment Management Systems and OSHA standards, with the addition of a specific consultation strategy. Examples from other countries were shared in this context. The PRBDB agreed to revise the policy further and institutionalize it. The mission advised on the need to align this initiative with the overall institutional development strategy of the project.

### **Regulatory Clearances for preconstruction activities**

#### ***Tree cutting and preservation:***

- The mission held discussions with PRBDB and the Chief Conservator Forests (CCF) regarding status of forestry clearances (Attachment 2) from the MOEF in the context of the contract mobilization schedule. The mission was informed that final clearances for tree cutting for cases where in principle clearance had been obtained are likely to be in place by April end 2007. For the remaining cases clearances are expected by May end 2007.
- The CCF suggested that a field coordination committee could be formed comprising of the Divisional Manager from the Forest Corporation and EEs from the field units and the local District Forest Officers (DFOs) to coordinate tree cutting in the priority stretches. This mechanism would also help in exploring any possibilities for minimizing tree loss on all packages. This would be particularly helpful in areas where drainage works are proposed. A sample TORs for this activity was shared. It was agreed that PRBDB would explore the idea and take a decision in this regard by April end 2007.
- Additionally discussions with the CCF covered aspects pertaining to safe tree cutting and pruning practices, harvesting guidelines and compensatory afforestation which PRBDB could consider taking forward during the course of the project.

**Pollution Control:** The mission was informed that in most cases contractors had obtained all required No Objections Certificates (NOCs) for hot mix plants and related ash disposal etc. The mission urged that in cases where these were pending, (such as in Contract PM 4 where the HMP is in the process of being established) PRBDB/ Field Officers would take appropriate action to ensure that the Contractors comply with the required regulation. During brief discussions with the Chairman Pollution Control Board (PCB), the chairman suggested that PCB would benefit from a detailed discussion on environment management measures being followed in the project.

### **Public Disclosure of Documents**

**Disclosure of Documents:** All final project documents have been disclosed at the local level (including State and District Libraries, Offices of the Deputy Commissioners, CMU offices) by PRBDB. It was agreed that the Disclosure Report prepared by PRBDB in this regard will be shared with the Bank by April 10, 2007.

***Information Kiosks:*** The mission visited some Information Kiosks that have /are being set-up for the periodic maintenance works. The mission advised the EO on preparation of simple checklists to reflect key elements of the EMP and which would be easy to understand by local people. The location and publicity of these kiosks also needs to be reviewed to increase the access of people. It was also agreed that PRBDB would prepare a comprehensive list of material to be placed in these kiosks and share the same with the field offices, to standardize the availability of information.

## Attachment 1

## Site Findings

Contract Package	Name of Corridor	Pending Issues/ Actions Required for Improvement	Remarks
1a	Ajnala - Ramdas	<ul style="list-style-type: none"> <li>• Provision and use of PPE</li> <li>• Ensure availability of Traffic Safety Devices</li> <li>• Provide first aid box.</li> <li>• Display emergency nos. at prominent locations.</li> <li>• Enhance fire safety arrangements</li> <li>• Cover for vehicles (during transportation)</li> <li>• Place garbage and waste bins</li> <li>• Clean-up spills (parking, workshop, generator room)</li> </ul>	Some improvement has been observed due to the efforts of the Nodal EO and EE, Amritsar CMU.
1b	Chehrata - Dand Bir	<ul style="list-style-type: none"> <li>• Ensure proper stacking and storage of waste material</li> <li>• Check waste disposal arrangements and locations</li> <li>• Provide shed for bitumen drum storage</li> <li>• Top soil preservation issue (letter from the owner)</li> <li>• Prepare and submit borrow area rehabilitation plan</li> <li>• Cover-up the open drain</li> <li>• Organize material stacking</li> <li>• AIDS and other health/safety awareness</li> </ul>	
2	Gurdaspur - Sri Hargobindpur	<ul style="list-style-type: none"> <li>• Complete labour quarter construction along with sanitation and bathing facilities.</li> <li>• Proper ventilation in the labour accommodation.</li> <li>• Separation of labour quarters from the plant area.</li> <li>• Undertake plantation along the camp boundary.</li> <li>• Provision and use of PPE</li> <li>• Ensure availability of Traffic Safety Devices</li> <li>• Provide first aid box.</li> <li>• Display emergency nos. at prominent locations.</li> <li>• Make fire safety arrangements</li> <li>• Cover for vehicles (during transportation)</li> <li>• Store bitumen and waste oil bins on impervious surface and provide shed for such storage</li> <li>• Clean-up spills (HMP)</li> <li>• Ensure proper stacking and storage of waste material</li> <li>• Check waste disposal arrangements and</li> </ul>	Slow response due to sub-letting issue

		<ul style="list-style-type: none"> <li>• locations</li> <li>• Top soil preservation issue (letter from the owner)</li> <li>• Prepare and submit borrow area rehabilitation plan</li> <li>• Clean-up the open drain and provide soak pits.</li> <li>• Organize material stacking</li> <li>• AIDS and other health/safety awareness</li> </ul>	
3a	Badbar - Longowal - Sunam	<ul style="list-style-type: none"> <li>▪ Submit pollution monitoring report.</li> <li>▪ Prepare and submit borrow area rehabilitation plan.</li> <li>▪ Check waste disposal arrangements and locations.</li> <li>▪ Make fire safety arrangements</li> <li>• Provide first aid box.</li> <li>▪ Display emergency nos. at prominent locations.</li> <li>▪ Control indoor air pollution due to confined kitchen area (increase ventilation and extend facility for improved planning)</li> </ul>	-
4	Khanna - Samrala - Nawanshahar - Garshankar	<ul style="list-style-type: none"> <li>• Minor alterations required in the lay-out plan.</li> <li>• Prevent any spillage or contamination of soil due to Milk Chilling Plant in the vicinity using a ground water source.</li> <li>• Provide vegetative barriers, particularly along the stack yard.</li> <li>• Obtain NOC/consent for HMP</li> <li>• Provide impervious surface for storing diesel drums, bitumen tank and stack yard.</li> </ul>	-
6	Sitogana - Dabwali	<ul style="list-style-type: none"> <li>• Prepare and submit borrow area rehabilitation plan.</li> <li>• Improve signage and demarcation within the camp area.</li> <li>• Enhance fire safety arrangements with equipment easily accessible.</li> </ul>	-
7	Faridkot - Firozpur	<ul style="list-style-type: none"> <li>• Submit NOC/Consent for HMP.</li> <li>• Check waste disposal arrangements and locations.</li> <li>• Put fire safety equipment at easily accessible locations.</li> <li>• Provide impervious surface for storing diesel drums, bitumen tank and stack yard.</li> <li>• Ensure proper stacking and storage of waste material (such as tyres, scarified pavement)</li> <li>• Clean-up LDO leakage and take preventive measures in future.</li> </ul>	-

		<ul style="list-style-type: none"> <li>• Improve circulation path for vehicles within the camp.</li> <li>• Provide enclosure for hand pump located at the entrance of the site to ensure safety and privacy of users.</li> <li>• Undertake additional plantation in the camp area.</li> </ul>	
11	Sri Hargobindpur - Batala - Dera Baba Nanak	<ul style="list-style-type: none"> <li>• Same as Package 2</li> </ul>	-
RH 2	Chandigarh- Landran-Chunni- Sirhind	<ul style="list-style-type: none"> <li>• Site lay-out plan to be checked and approved by EO immediately given that the site has been selected and construction has started without any intimation to the EO, PRBDB.</li> <li>• Submit NOC/Consent for plants issued by PPCB.</li> <li>• Specific caution to be taken due to heavy tree lined approach road to the camp.</li> <li>• Strengthen approach road for the expected heavy vehicle load.</li> <li>• Top Soil preservation is critical due to the present agricultural land use.</li> </ul>	<p><b><u>Lay-out plans must be checked before any construction work are initiated. Immediate action required.</u></b></p>
UG 3	Tarn Taran-Atari- Chhabal	<ul style="list-style-type: none"> <li>• Top Soil preservation is critical due to the present agricultural land use.</li> <li>• Site lay-out plan to be checked and approved by EO, PRBDB.</li> <li>• Define circulation path to minimize compaction of soil</li> </ul>	

Most of the construction camps used for periodic maintenance of works are permanent sites (owned by the contractors). Most contractors seem to accept these positive changes and may continue with at least some of these EMP measures.

## Status of Forestry Clearances

S. No	Road	Current Status	Action Required
1	<b>Kharar Banur Tepla</b>		
	DFO Ropar	<ul style="list-style-type: none"> <li>Funds deposited with Forest Department after seeking In Principle approval from Ministry of Environment and Forest (MoEF).</li> <li>Chief Conservator Forest (CCF) has sent the intimation regarding deposit of funds to MoEF vide letter no.10812 dated 15.03.07 for seeking final approval from MoEF.</li> </ul>	<ul style="list-style-type: none"> <li>Final approval awaited from MoEF for forest clearance.</li> </ul>
	DFO Patiala	<ul style="list-style-type: none"> <li>Funds deposited with Forest Department after seeking In Principle approval from MoEF.</li> <li>CCF has sent the intimation regarding deposit of funds to MoEF vide letter no.10773 dated 14.03.07 for seeking final approval.</li> </ul>	<ul style="list-style-type: none"> <li>Final approval awaited from MoEF for forest clearance.</li> </ul>
2	<b>Tarn Taran Chabbal Attari</b> DFO Amritsar	<ul style="list-style-type: none"> <li>Funds deposited with Forest Department after seeking In Principle approval from MoEF.</li> <li>CCF has sent the intimation regarding deposit of funds to MoEF vide letter no.10800 dated 14.03.07 for seeking final approval.</li> </ul>	<ul style="list-style-type: none"> <li>Final approval awaited from MoEF for forest clearance.</li> </ul>
3	<b>Tarn Taran Fatehbad Kapurthala</b>		
	DFO Phillaur	<ul style="list-style-type: none"> <li>Funds deposited with Forest Department after seeking In Principle approval from MoEF.</li> </ul>	<ul style="list-style-type: none"> <li>Final approval awaited from MoEF for forest clearance.</li> </ul>
	DFO Amritsar	<ul style="list-style-type: none"> <li>Funds deposited with Forest Department after seeking In Principle approval from MoEF.</li> <li>CCF has sent the intimation regarding deposit of funds to MoEF vide letter no.10847 dated 15.03.07 for seeking final approval.</li> </ul>	<ul style="list-style-type: none"> <li>Final approval awaited from MoEF for forest clearance.</li> </ul>
	DFO Amritsar (Supplementary Proposal)	<ul style="list-style-type: none"> <li>Case is with MoEF.</li> </ul>	<ul style="list-style-type: none"> <li>In principle approval awaited from MoEF.</li> </ul>
4	<b>Phillaur Nagar Rahon</b>	<ul style="list-style-type: none"> <li>In principle approval received from MoEF.</li> </ul>	<ul style="list-style-type: none"> <li>Funds shall be deposited with Forest Department by 21.03.07.</li> </ul>
5	<b>Ludhiana Malerkotla</b>		
	DFO Ludhiana	<ul style="list-style-type: none"> <li>CCF has sent the case to MoEF vide letter no.10817 dated 15.03.07 after replying observations of MoEF.</li> </ul>	<ul style="list-style-type: none"> <li>In principle approval awaited from MoEF.</li> </ul>
	DFO Sangrur	<ul style="list-style-type: none"> <li>Concerned District Forest Officer (DFO) has submitted the case to Conservator Forest (CF). CF yet to submit the case to Chief Conservator Forest after addressing observations of MoEF.</li> <li>In Principle approval awaited.</li> </ul>	<ul style="list-style-type: none"> <li>CF to submit the case to CCF for seeking approval from MoEF.</li> </ul>
6	<b>Malerkotla Sangrur</b> DFO Sangrur	<ul style="list-style-type: none"> <li>CCF has sent the case to MoEF vide letter no.10822 dated 15.03.07 after replying observations of MoEF.</li> </ul>	<ul style="list-style-type: none"> <li>In principle approval awaited from MoEF.</li> </ul>
7	<b>Dharmkot Kot Isekhan Ferozepur</b>		
	DFO Mukstar	<ul style="list-style-type: none"> <li>CCF has sent the case to MoEF vide letter no. 10842 dated 15.03.07 after replying observations of MoEF.</li> </ul>	<ul style="list-style-type: none"> <li>In principle approval awaited from MoEF.</li> </ul>
	DFO Ferozepur	<ul style="list-style-type: none"> <li>CCF has sent the case to MoEF vide letter no.10743 dated 13.03.07 after replying observations of MoEF.</li> </ul>	<ul style="list-style-type: none"> <li>In principle approval awaited from MoEF.</li> </ul>

**Attachment 3**

**List of materials distributed at the environment re-orientation and sensitizing workshop at PRBDB - March 20, 2007**

1. Purpose and Objectives
2. Principles of Environment Assessment (EA) , and Environment Management (EM) as a Project Preparation Tool
3. Environment Management Plans (EMP) – Project Implementation Tool
4. EMP Practices and Compliance – experience sharing from Periodic Maintenance component of PSRSP.
5. Roles and Responsibilities for EMP implementation for Field Officers (EE, JEs and SDO)
6. Reporting Formats and Monitoring Mechanisms

**Annex 5****Social Safeguards**

**Land Acquisition.** The process of land acquisition to be followed includes (i) issuing of section 4(1); (ii) section 5 and 5A; (iii) section 6; (iv) section 9; and (v) section 11. After section 6, private negotiation will be carried out simultaneously with section 9 and 11. So far section 4(1) has been issued in all the districts. Section 5A has also been issued in all the districts except for Sangrur district. Objections raised by affected titleholders under section 5A have been disposed off after due hearing. The objections raised were primarily on the amount of compensation to be paid and there are no pending objections. There is delay in issuing section 6 for Ludhiana - Malerkotla road, as section 5A is still pending in Sangrur district. However, section 6 has been issued in both Mohali and Patiala districts for Kharar-Tepla road. Joint verification with revenue is yet to be carried out on both the project roads. The mission discussed this matter with PRBDB and urged to conduct joint verification on ground at the earliest. During the visit to UPG 3 the mission felt that there could be acquisition of private land for the approaches of 30/1 bridge and urged PRBDB to ensure that no private land is involved in the project. It was agreed that PRBDB will issue a certificate to that effect. The mission was informed that there is no land acquisition involved on the rehabilitation packages. In response to the media reports on the Gill bypass which appeared in October 2006, PRBDB conducted series of consultations with local community to sort out the issue of Gill bypass alignment. Similar consultations were carried out in Pohir bypass as well. NGO will be preparing separate micro plans for all the bypasses.

**Implementation of Resettlement Action Plan.** Since its mobilization, NGO has completed verification of non-titleholders for one upgradation road (Kharar – Banur – Tepla) and two rehabilitation roads (Chandigarh – Landarn- Sirhind and Patiala – Sirhind). Wide variation from the RAP data has been reported by NGO especially on Kharar – Banur – Tepla road (see Attachments 1 and 2). Verification data submitted by NGO is presently being reviewed by Project Manager (Social) of PRBDB. It was agreed that NGO will take up verification of RAP data on project roads where the contractor will be mobilized earlier. The Mission also reviewed the inception report submitted by the NGO. The report is quite informative and has a detailed methodology. However, it was agreed with NGO to add the formats given below to the inception report:

- Detailed work plan with responsibilities of individual team members and their deployment schedule
- Formats for micro plans separately for title and non-titleholders
- Format for Identity card
- Formats for physical and financial monitoring
- Database shell. It was also agreed with the NGO that user friendly database will be submitted by the NGO on completion of verification survey.

**Institutional Arrangement.** The PRBDB has appointed the Project Manager (Social) responsible for supervision of RAP implementation and providing training to designated Resettlement Officers in CMUs on social assessment and RAP implementation. However, no Sub Divisional Engineers (SDEs) in any of the CMUs have been designated as Resettlement Officers. It was agreed that Grievance Redressal Committee (GRC) will be constituted in all the districts of upgradation and rehabilitation roads and Land Negotiation Committee (LNC) will be constituted in the districts where land will be acquired. However, both GRC and LNC have been constituted only in Ludhiana and Sangrur districts. It was agreed that GRC and LNC for the balance roads would be constituted by April 30, 2007.

**Site Visit.** The Mission visited one upgradation road and two rehabilitation roads and noted few encroached sections, though there may not be any land acquisition. Although no resettlement will be required on rehabilitation roads, residential and commercial establishments are likely to experience a temporary loss of access during the construction period. The brief finding of the site visits is given below:

*Attari – Chhabal – Taran Taran Road*

This 41.59 km long road entirely falls in Amritsar district. The road has dense commercial establishments close to the carriageway and majority of them are permanent construction. Quite a few common property resources (CPRs) along the project road are likely to get affected. Though as per RAP there is no land acquisition, the mission noted encroachment along the road especially at Raja Tal and Sarai Amanat Khan. Since the contractor will be on board very soon, the NGO should take up the verification exercise and relocation of displaced families and common property resources at the earliest. One of the SDEs should be designated as Resettlement and Rehabilitation Officer before NGO takes up this road.

*Taran Taran – Kapurthala (RH 4) and Phillaur – Rahon (RH-3)*

RH 4 is 46.20 km long road passes through Amritsar and Kapurthala districts and RH 3 is 33.50 km long, which passes through the districts of Nawashahar and Jullandhar. Since these two roads are under rehabilitation, there will be no land acquisition. However there is lot of encroachment along the road especially at Fatehabad on RH 4 and at Chakdana, Nagar and Aur in RH 3. There could also be temporary loss of access to various commercial establishments during construction.

**Information Kiosks:** The Mission was pleased to notice that information kiosks were established by PRBDB on project roads visited in accordance with the agreed disclosure policy and action plan. Most of the kiosks have been set up in contractor's camp. It was agreed that kiosks would be shifted on the project roads to the extent possible so that PAPs have a better access to that. It was also agreed that kiosks would be used for information dissemination, disbursement of cheques and any other gathering required during the course of the implementation. It was suggested to PRBDB to identify a local person with the help of panchayat to manage the kiosk. List of documents to be placed in all information kiosks on rehabilitation and upgradation roads include:

- R&R Policy in local language
- Micro plans prepared by NGO in local language
- Separate list of PAPs and common property resources affected in local language
- Grievance Redress mechanism in local language

**Disbursement of Compensation and R&R Assistance:** Discussions was held with the finance department of PRBDB on the mechanism of disbursement of compensation and R&R assistance. It was agreed that for disbursement of R&R Assistance (including rental allowances, transitional allowances, training allowances, economic rehabilitation grants and shifting allowances) the NGO hired to implement RAP, will prepare detailed PAP-wise micro plans (calculating total R&R assistance due to a PAP under various heads) and identity cards. Micro plans will be submitted to the RRO of the CMU who will forward these to the PRBDB head quarters. The Project Manager (Social) will review the micro plans before forwarding the same to the finance section for issues of 'account payee' cheques favouring the PAP. The PAP will deposit this cheque in a bank account specifically opened for this purpose. Withdrawals from this account will be under the joint signatures of the PAP and the NGO. This will ensure that utilization is for the purposes intended i.e. against productive goods/works/services, as specified in the micro-plans. Receipts for the assets and/or services and utilization certificates provided by the PAPs will be maintained by PRBDB and will be subject to statutory and internal audit. Compensation amount released by revenue will also be deposited in the joint account and utilization will be monitored by NGO.

**HIV/AIDS:** The Mission reviewed the draft Terms of Reference (TOR) prepared by PRBDB for hiring of NGO services for awareness campaign plan and implementation. Though the revised TOR is exhaustive, following issues need to be added in the scope of work of NGO:

- Specific sensitization and involvement programmes for senior management and project engineers will have to be organized. Their involvement would be to ensure to garner support and keep up their interest in creation of message boards (with their signatures and messages): their involvement in inauguration and other functions: recognizing and encouraging active individuals.
- Awareness generation programmes will have to be organized from time to time for the target groups:
  - i. Awareness programme for Site supervisors
  - ii. Awareness programme for Labor (Migrant and Local)
  - iii. Special sessions for Quarry workers
- Referral facilities for treatment of STDs/RTIs would be provided at the nearest government hospital/dispensary.
- Systematic surveys to be carried out for assessing the following:
  1. Awareness levels on HIV/Aids and Sexually Transmitted Diseases
  2. Indulgence in High risk Behavior and
  3. Prevalence of Safe sex practices in these groups
- Identification of target groups from primary surveys and secondary data
- Targeting Specific areas/locations and groups/communities on the basis of survey findings
  1. Existing truck parking facility/lay byes
  2. Road side food joints (Dhabas)
  3. Specific communities along the Highway (Where HIV/AIDS is an issue)
  4. Locations where parking or lay byes would be proposed under the project

## Current Status of RAP Implementation and Proposed Action Plan

Current Status of RAP implementation and Proposed Action Plan (Non Titleholders)										
	Activity	Road Corridor								Remarks
		Ludhiana - Malerkotla - Sangrur, 72.95 km	Kharar - Banur - Tepla, 39 km	Tarn Taran -Chhabal- Attari 46.20 km	Chandigarh- Landran- Chunni- Sirhand, 37.30 km	Dharamkot- Zira- Firozepur, 59.16 km	Phillaur- Nagar-Aur- Rahon 33.50 km	Taran Taran- Kapurthala, 46.20 km	Patiala- Sirhand 28.30 km	
1	Initial Site Visit & Observation	Completed	Completed	Completed	Completed	Completed	Completed	Completed	Completed	
2	Introductory Meeting with concerned Division Offices (PWD) of Project Road Corridor	06.01.2007 15.01.2007	and 17.01.2007	10.01.2007	09.01.2007	16.01.2007	06.01.2007	11.01.2007	09.01.2007	
3	Public Consultation	01.04.2007	20.12.2006	22.03.2007	01.04.2007	15.04.2007	01.03.2007	01.04.2007	01.03.2007	Start date given - continuous activity
4	Marking of COI	Partially exist	Completed	Existing	Completed	Partially exist	Completed	Partially exist	Completed	
5	Measurement of affected land/Structures	15.08.2007	07.05.2007	31.05.2007	Completed	15.06.2007	07.05.2007	31.05.2007	Completed	
6	Verification of Baseline Data	01.04.2007 / 30.05.2007	Completed	15.04.2007	Completed	30.04.2007	Completed	15.04.2007	Completed	
7	Approval of Verified Data	15.06.2007	07.04.2007 Ongoing	30.04.2007	07.04.2007 Ongoing	15.05.2007	07.04.2007	30.04.2007	07.04.2007 Ongoing	Verification by concerned PWD Division is under process
8	Valuation of Assets / Structures	15.08.2007, two months date of approve	07.05.2007	31.05.2007	07.05.2007	15.06.2007	07.05.2007	31.05.2007	07.05.2007	
9	Preparation of Micro plan	30.08.2007, Two weeks after valuation	22.05.2007	30.06.2007	22.05.2007	30.06.2007	22.05.2007	30.06.2007	22.05.2007	
10	Approval of Micro plan	15.09.2007	31.05.2007	15.07.2007	31.05.2007	-	31.05.2007	15.07.2007	31.05.2007	
11	Distribution of Identity Cards	15.10.2007	30.06.2007	30.08.2007	30.06.2007	-	30.06.2007	30.08.2007	30.06.2007	
12	Opening of Joint Account	15.11.2007	31.07.2007	31.09.2007	31.07.2007	-	31.07.2007	31.09.2007	31.07.2007	
13	Grievance Redressal cell	Constituted only in Ludhiana district	30.04.2007	30.04.2007	30.04.2007	30.04.2007	30.04.2007	30.04.2007	30.04.2007	
14	Disbursement of Assistance	15.12.2007	30.08.2007	15.08.2007	30.08.2007	-	30.08.2007	15.08.2007	30.08.2007	
15	Relocation of PDFs	15.12.2007	30.08.2007	30.10.2007	30.08.2007	-	30.08.2007	30.10.2007	30.08.2007	
16	Relocation of CPRs (Handing over to contractor)	31.07.2007	31.07.2007	15.09.2007	31.07.2007	30.09.2007	31.07.2007	15.09.2007	31.07.2007	
17	Income Restoration Activities	15.12.2007	31.10.2007	31.10.2007	31.10.2007	-	31.10.2007	31.10.2007	31.10.2007	

<b>Current Status of RAP Implementation and Proposed Action Plan (LA and Titleholders)</b>					
	<b>Activity</b>	<b>Road Corridor</b>			
		Ludhiana - Malerkotla - Sangrur, 72.95 km		Kharar - Banur - Tepla, 39 km	
	<b>Name of District through which the road passes</b>	Ludhiana	Sangrur	Mohali	Patiala
	Land to be acquired for acquisition	52.16 Acre	7.1 Acre	9.77 Acre	2.35 Acre
1		59.26 Acre		12.12 Acre	
2	Status of formation of land negotiation committee	Constituted	Constituted	31.03.07	31.03.07
3	Status of formation of GRC	Constituted	Constituted	31.03.07	Constituted
4	Status of land acquisition	Section 6 pending	Section 5 A pending	Section 6 issued	Section 6 will be issued by 15.04.07
5	Marking of COI	15.04.07	15.04.07	Partially Exist	
6	Joint Verification with Revenue Department	15.05.07	15.05.07	15.05.07	15.05.07
7	Socio-Economic Survey by NGO	16.07.07	16.07.07	16.06.07	16.06.07
8	Consultation	16.07.07	16.07.07	16.06.07	16.06.07
9	Negotiations with PAP	31.09.07	31.09.07	30.08.07	30.08.07
10	Preparation of Micro Plan	31.07.07	31.07.07	30.06.07	30.06.07
11	Preparation and Distribution of ID Cards	30.08.07	30.08.07	31.07.07	31.07.07
12	Opening of Joint Account	30.10.07	30.10.07	31.09.07	31.09.07
13	Approval of Negotiated Rate	30.10.07	30.10.07	31.09.07	31.09.07
14	Disbursement of Compensation	31.12.07	31.12.07	30.11.07	30.11.07
15	Disbursement of Assistance	31.12.07	31.12.07	30.11.07	30.11.07
16	IR Activities	01.01.08	01.01.08	01.01.08	01.01.08

**Annex 6****Financial Management Assessment**

**Budget.** In context of adequacy of budgetary provision for the project, it was clarified that a budget for the state has not been passed due to the political transition in the GoP. A vote on account has been passed; the same has provided adequate funds for the project. The budget is expected to be passed sometime in June 07.

**Audit.** As per the project agreement, audit of PSRSP is to be undertaken by the Auditor General (AG), Punjab as per Terms of Reference (ToR) agreed during project preparation. However The AG, Punjab has not received necessary instructions regarding the same from the Comptroller and Auditor General (C&AG), New Delhi. GoP is required to take up the matter with the C&AG on a priority basis to ensure issues of necessary instructions to AG, Punjab.

Further, the project is required to obtain a clarification<sup>2</sup> whether (in light of the above arrangements) it will be required to 'render' monthly accounts for each accounting location to the AG, Punjab.

**Scope of Internal Audit (IA).** IA needs to be seen as Management Audit and should assist in better monitoring and robust implementation of required fiduciary controls. Therefore, the Terms of Reference (ToR) (in the FM Manual) should be modified to: (a) cover review of R&R payments; (b) look at systemic issues to ensure value out of the IA process for the PRBDB Management - this may include evaluation of functioning of the accounting software, disclosure of information, timeliness of contractor payments, ageing of advances etc; and (c) provide capacity building support to accounting staff at the divisions.

**Internal Controls/ Accounting**

- Cheques are issued under dual signatures at the PRBDB; however a single signatory is authorized to sign all cheques at the divisions. This is a weakness in internal controls, and since quantum of payments at the divisions is significant, the name of a second signatory should be added for all cheque payments.
- The project involves payments relating to Resettlement and Rehabilitation (R&R) for persons (PAP) displaced due to land acquisition. These payments will be made at the divisions; which will maintain adequate details regarding each cheque paid out to a PAP. Additionally, an NGO will also maintain a file for each PAP to monitor utilization (for the intended purposes) of the R&R payments. The FM staff is required to prepare the necessary formats, confirm the documentation requirements and provide the necessary awareness to its field staff to ensure timely payment as well as adequate record keeping. For this it should also work closely with the social development specialists of PRBDB.
- Payments at the divisions are controlled through the Letter of Credit (LoC) mechanism where LoC is issued to the division in response for its request for release of funds. The Commercial Bank then ensures that cheques issued by the division do not exceed the amount of the LoC. However these arrangements have not been formally documented; they are not included in the proposal received from the Bank nor has any agreement been signed with the Bank. PRBDB needs to obtain a

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<sup>2</sup> This should be obtained directly from the AG, Punjab once it has received the necessary instruction from the C&AG

conformation from the Bank that it has systems/ procedure to be able to record/ monitor limits as laid down in various LoCs from time to time.

**Financial Accounting Software.** The software has been installed at the HQ; however the purchase, installation, training is still pending at the division offices. This needs to be expedited; moreover a standard Chart of Accounts (CoA) (as per the FM Manual) needs to be loaded in the software and used<sup>3</sup> at all accounting locations. It was agreed that these actions will be completed and the June data/ FMR will be generated fully from the software.

**FMR.** In context of FMR reporting; it was clarified that separate FMRs should be submitted for (a) retroactive period; and (b) for the project upon effectiveness, including a six month forecast.

**Project Preparation Facility (PPF).** The PPF granted to PRBDB closed as on January 31, 07. All claims under the same have been sent to the CAAA in Delhi. PRBDB is now required to get expenditure under the PPF, audited by a firm of Chartered Accountants and submit the audit Report to the Bank by May 07.

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<sup>3</sup> However the manual PWD systems will continue and the software will be used for the purposes of voucher level consolidation of information.

## Annex 7

**Procurement Assessment**

**Current Status:** Overall procurement progress is satisfactory, although many decisions and actions could not be taken during January and February 2007 due to the state elections and the code of conduct. As of today, bidding has been completed for 20 works packages whose total estimated cost is US\$ 93 million equivalent. Of these, 16 contracts have been awarded and work started in 5 contracts, with another 6 expected to start by March end or early April. Summary details are provided in Attachment 1 (Progress of Works).

**Updated Procurement Plan:** Based on progress to date, the procurement plan has been updated and key dates revised where necessary. This updated plan is provided in Attachment 2 (Procurement Management Plan) and includes works to be procured in Phase II (OPBC and Upgrading/Rehabilitation), Goods for Asset Management (Profilometer etc.), Computerisation and Road Safety; and Consultants. Negotiations are ongoing with Consultants for Technical Advisory Services, QA and Technical Support Services and Construction Supervision under Part B.

A rapid analysis of the results of the works procurement in 19 contracts was carried out. The summary table of the key information is provided in Attachment 3 (Analysis of Bids). The analysis reveals the following:

- Though the average number of bids received in upgrading (UG) contracts appears satisfactory (8, 9 and 3 bids received for UG1, UG2 and UG3 respectively), overall the average number of bids received is 3.44 reflecting adequate levels of competition especially, except for rehabilitation (RH) contracts where the average for 6 contracts is 2.33 bids per contract, which is rather low.
- In nine of 15 contracts, bid prices were seen to be higher than the sanctioned estimate prepared well before the bidding is initiated. However, given the volatility in the prices of bitumen - one key input in roads contracts, PRBDB's normal practice was to prepare revised (Engineer's) estimates based on rates prevailing on 28 days before bid submission. During evaluation bid prices are compared against this revised estimate. Against this revised estimate, only 6 bids were found to be higher, with the range in prices being from -15 to + 8.8 % of the revised estimate.
- The 15 contracts awarded (out of 19) have gone to 10 bidders, with some firms responsible for concurrently executing up to 3 contracts under this project. Given the distinct possibility that these firms may also be simultaneously implementing other contracts, PRBDP should closely monitor contractor performance and work progress in these works to ensure quality and timely completion.

**Procurement Management Issues:** PRBDB has questioned the practicality of the provision in Form 15 of the bid documents which prevents any modification after bid submission in the list of key items provided by the bidder. This form names the quantities and other attributes of key inputs that the bidder proposes to purchase/import for the contract in question for which it would apply for customs or excise refund. The PRBDB position is that a bidder would have allowed for the excise refund while preparing its bid rates. However, in some cases the contract may call for an increased volume of work or a new work item for which the required inputs are not in the list, thus depriving the bidder of excise benefits for the required inputs and making it reluctant to carry out the additional work at the original bid rates. Similarly, market conditions may force a bidder to purchase an item whose name or source is different from that

given in the list and again the bidder may be deprived on the excise benefits. PRBDB thus requested removal of this form altogether, or a modification in the provisions so that any necessary modification can be made. The mission agreed to find out the rationale for the current provisions and to explore the possibility of modifying these to provide the required flexibility.

PRBDB has requested for software that would help analyze the works procurement results for patterns of bidder collusion etc. The mission understood that such software had been developed in Utah and agreed to help PRBDB obtain this if available.

**Post Review:** Post review was carried out of two contracts (RH3: Phillaur – Nagar – Aur – Rahon Road and PM4: Khanna Samrala Nawanshahar Garhshankar Road). The critical observations were: a) repeated request for clarifications were made by PRBDB which also included requests for missing and possibly non-historical information such as proof regarding availability of machinery and b) some rates quoted by the lowest evaluated bidder (for non-bituminous items) were identical to those given in the revised Engineer's estimate. PRBDB clarified that to prevent possible leakage of information, the revised estimates shall be prepared after bids are submitted based on rates prevailing 28 days before bid submission.

**Governance:** In one sample contract, it was noted that PRBDB has initiated the practice of inviting an external observer from civil society to be present during bid opening. A member of Chief Vigilance Office (CVO) has sat in the bid evaluation committee, during the bid opening and throughout the bidding processes. To ensure greater transparency of the procurement process, PBDB should start this practice in large contracts.

**Attachment 1 - WB PSRSP Phase I - Progress of Works**

Ref. No.	Contract (Description)	Length (KM)	Original Date of Bid Opening	Name of Contractual Agency	Contract Value (Rs. in Crores)	Date of issue of Letter of acceptance	Date of Start of Work	Physical Progress	Remarks
<b>REHABILITATION WORKS:</b>							-	-	-
Package 1	Rehabilitation of Ferozepur-Zira Road	34.46	22/Sep/06	M/s Centrodorstoy (India) Ltd	44.39	—	—	-	NO Received from World Bank on 19.03.2007. LoA being issued.
Package 2	Rehabilitation of Chandigarh-Landran-Chunni-Sirhind	37.30	25/Sep/06	M/s GPL - Brahmaputra Consortium Ltd	43.92	04-Jan-07	—	-	Letter of Acceptance issued on 4th Jan 2007
Package 3	Rehabilitation of Phillaur-Aur-Rahon-Nagar	33.51	18/Sep/06	M/s Centrodorstoy (India) Ltd	46.84	15-Jan-07	—	-	Letter of Acceptance issued on 15th Jan 2007
Package 4	Rehabilitation of Kapurthala-Tarn Taran	47.20	13/Nov/06	—	—	—	—	-	4 No. Bids Received. Evaluation under Progress.
Package 5	Rehabilitation of Zira Dharamkot Road	24.70	20/Sep/06	M/s Centrodorstoy (India) Ltd	35.05	—	—	-	NO Received from World Bank on 19.03.2007. LoA being issued.
Package 6	Rehabilitation of Sirhind-Patiala	28.30	15/Sep/06	M/s Trillion Continent Sdn Bhd Malaysia	25.75	13-Dec-06	—	-	Letter of Acceptance issued on 13th Dec 2006
	<b>TOTAL</b>	<b>205.47</b>			<b>195.95</b>				

Ref. No.	Contract (Description)	Length (KM)	Original Date of Bid Opening	Name of Contractual Agency	Contract Value (Rs. in Crores)	Date of issue of Letter of acceptance	Date of Start of Work	Physical Progress	Remarks
<b>UPGRADATION WORKS :</b>							-	-	-
Package 1	Upgradation of Kharar-Landran-Banur-Tepla	39.53	30/Nov/06	-	-	-	-	-	BER submitted to WB for NO on 17.03.2007
Package 2	Upgradation of Ludhiana-Malerkotla-Sangrur	71.92	1/Dec/06	-	-	-	-	-	9 No. Bids Received. Evaluation under process.
Package 3	Upgradation of Attari-Chabbal – Taran Tarn Rd. (including Junction at Tarntaran) (41.59 Km)	41.59	24/Oct/06	M/s C&C Construction Ltd	45.24	27/Feb/07	-	-	Letter of Acceptance issued on 27 Feb 2007
	Total	<b>153.04</b>			<b>45.24</b>				
<b>PERIODIC MAINTENANCE WORKS :</b>							-	-	-
Package 1	Periodic Maintenance of Ajnala Ramdass	39.77	07-Aug-06	M/s Satish Aggarwal & Co	4.71	01-Nov-06	20/Feb/07	-	Work shall commence from Mar 2007.
	Chehrata Dand Bir road			M/s Satish Aggarwal & Co			20/Feb/07	-	Work shall commence from Mar 2007.
Package 2	Periodic Maintenance of Gurdaspur Sri Hargobindpur road	40.47	10-Aug-06	M/s Rajinder & Co. Chandigarh	9.24	04-Oct-06	7/Nov/06	SDBC Completed on 3 Km Length	Work shall re-commence after winter

Package 3	Periodic Maintenance of Longowal Sunam, road Badbar Longowal	18.23	27-Jul-06	M/s DS Buliders Dhuri	3.37	04-Oct-06	2/Nov/06	SDBC completed on 5 Km length	Work shall re-commence after winter
	Pakhokey Tappa	12.80	27-Jul-06	M/s Garg Construction Chandigarh	2.93	27-Feb-07	-		Letter of Acceptance issued on 27 Feb 2007
Package 4	Periodic Maintenance of Khanna Samrala Nawanshahar Garhshankar road	61.38	01-Dec-06	M/s Valecha Engineering Ltd	12.16	18-Jan-07	13/Mar/07	-	Letter of Acceptance issued on 18th Jan 2007
Package 5	Periodic Maintenance of Kapurthala Tashpur, Sultanpur dalla & Dadwindi Sultanpur road	30.35	02-Nov-06	-	-	-	-	-	Bid Evaluation Report Submitted to WB for NO on 9th Jan 2007
Package 6	Periodic Maintenance i of Sitogana Dabwali road	26.00	17-Aug-06	M/s Singla Construction Co. Bathinda	3.45	04-Oct-06	20/Oct/06	SDBC completed on entire length (26 Km)	Work shall re-commence after winter
Package 7	Periodic Maintenance of Faridkot to Ferozepur road	30.27	22-Aug-06	M/s Singla Construction Co. Bathinda	4.40	04-Oct-06	1/Nov/06	-	Work shall commence after winter season.
Package 10	Periodic Maintenance of BaghaPurana Bhagta Bhucho road	38.81	31-Jul-06	M/s Singla Construction Co. Bathinda	6.40	27-Feb-07	-	-	Letter of Acceptance issued on 18th Jan 2007
Package 11	Periodic Maintenance of Sri Hargobindpur Batala Dera Baba Nanak Road	55.74	14-Aug-06	M/s Rajinder & Co. Chandigarh	7.84	04-Oct-06	7/Nov/06	-	Work shall re-commence after winter
	Total	<b>353.82</b>			<b>54.512</b>				

**Attachment 2 - WB PSRSP – Updated Procurement Management Plan****A. WORKS**

Ref. No.	Contract Description (length)	Contract / Bid Price (USD million)	Procurement Method	Review by Bank (Prior / Post)	Bid-Opening Date	Comments
<b>Rehabilitation (Phase I)</b>						
WB/PSRSP/RH/1/NCB	Rehabilitation of Ferozepur-Zira Road (34.46 Km)	9.81	NCB	Prior	19.10.06	NO received from WB on 19.3.2007. LoA being issued.
WB/PSRSP/RH/2/NCB	Rehabilitation of Chandigarh-Landran-Chunni-Sirhind (37.27 Km)	9.76	NCB	Prior	20.10.06	Acceptance Letter issued to Bidder (04.01.2007)
WB/PSRSP/RH/3/NCB	Rehabilitation of Phillaur-Aur-Rahon-Nagar (33.51 km)	9.66	NCB	Post	18.10.06	Acceptance Letter issued to Bidder (15.01.2007)
WB/PSRSP/RH/4/ICB	Rehabilitation of Kapurthala-Tarn Taran (47.20 km)	12.03	NCB	Prior	22.11.06	Bid under Evaluation
WB/PSRSP/RH/5/NCB	Rehabilitation of Zira Dharamkot Road (24.70 km)	7.72	NCB	Prior	23.10.06	NO received from WB on 19.3.2007. LoA being issued.
WB/PSRSP/RH/6/NCB	Rehabilitation of Sirhind-Patiala (28.30 km)	5.72	NCB	Prior	15.09.06	LoA issued to Bidder on 13/12/2006. Rebidding proposed as the bidder has failed to submit Performance Security
	<b>Total</b>	<b>54.69</b>				

<b>Upgradation (Phase 1)</b>						
WB/PSRSP/UG/1/ICB	Upgradation of Kharar-Landran-Banur-Tepla (39.53 Km)	25.33	ICB	Prior	30.11.06	BER submitted to WB for NO on 17.3.2007
WB/PSRSP/UG/2/ICB	Upgradation of Ludhiana-Malerkotla-Sangrur (71.92 Km)	52.00	ICB	Prior	1.12.06	Bid under Evaluation
WB/PSRSP/UG/3/NCB	Upgradation of Attari-Chabbal – Taran Tarn Rd. (including Junction at Tarntaran) (40.50 Km)	10.05	NCB	Prior	24.10.06	Acceptance Letter issued to Bidder (27.02.2007)
	<b>Total</b>	<b>87.38</b>				

Ref. No.	Contract Description (length)	Contract / Bid Price (USD million)	Procurement Method	Review by Bank (Prior / Post)	Bid-Opening Date	Comments
<b>Periodic Maintenance (Phase I)</b>						
WB/PSRSP/PM/1/NCB	Periodic Maintenance of Ajnala Ramdass Cheharta Dhand Bir Road	1.05	NCB	Prior	7.08.06	Work in Progress
	Chehrata Dand Bir road				7.08.06	Work in Progress
WB/PSRSP/PM/2/NCB	Periodic Maintenance of Gurdaspur Sri Hargobindpur road	2.05	NCB	Prior	10.08.06	Work in Progress
WB/PSRSP/PM/3/NCB	Periodic Maintenance of Longowal Sunam, road Badbar Longowal	0.65	NCB	Prior	27.07.06	Work in Progress
	Pakhokey Tappa	0.75	NCB		27.07.06	Letter of Acceptance Issued on 27.02.2007
WB/PSRSP/PM/4/NCB	Periodic Maintenance of Khanna Samrala Nawanshahar Garhshankar road	2.70	NCB	Post	1.12.06	Notice to proceed with work issued on 13.03.07
WB/PSRSP/PM/5/NCB	Periodic Maintenance of Kapurthala Tashpur, Sultanpur dalla & Dadwindi Sultanpur road	1.19	NCB	Prior	2.11.06	BER sent to WB for NO in January 2007
WB/PSRSP/PM/6/NCB	Periodic Maintenance i of Sitogana Dabwali road	0.76	NCB	Prior	17.08.06	Work in Progress
WB/PSRSP/PM/7/NCB	Periodic Maintenance of Faridkot to Ferozepur road	0.98	NCB	Prior	22.08.06	Work in Progress
WB/PSRSP/PM/10/NCB	Periodic Maintenance of BaghaPurana Bhagta Bhucho road	1.51	NCB	Prior	31.07.06	Letter of Acceptance Issued on 27.02.2007
WB/PSRSP/PM/11/NCB	Periodic Maintenance of Sri Hargobindpur Batala Dera Baba Nanak Road	1.74	NCB	Prior	14.08.06	Work in Progress
	<b>Total</b>	<b>13.38</b>				

<b>Upgradation &amp; Rehabilitation--OPBC (Phase 2)</b>						
WB/PSRSP/OPBC	Rehabilitation / Upgradation of about 250 Km Road Length with Output & Performance Based Contracts	<b>34.00</b>	ICB	Prior	Jul-08	Roads to be included shall be based on the recommendation of Consultant Phase II Package I
<b>Upgradation &amp; Rehabilitation with long-term maintenance programme (Phase 2) – some of these will be funded under the project</b>						
Package 1	Ferozepur - Mallanwala – Makhu (39.6 Km)	<b>30.1</b>	ICB	Prior	Jun-08	Upgradation
Package 2	NH95 - Doraha (24 Km)	<b>8.1</b>	ICB	Prior	Jun-08	Rehabilitation
	Sahnewal – Junction with southern bypass – Dehlon (40.5 Km)	<b>13.7</b>	ICB	Prior	Jun-08	Rehabilitation
Package 3	Jaitu - Bajakhana - Bhagta - Salabatpura to distt. Boundary (38.7 Km)	<b>29.4</b>	ICB	Prior	Jun-08	Upgradation
Package 4	Nakodar – Phillaur (35.6 Km)	<b>27.0</b>	ICB	Prior	Jun-08	Upgradation
		<b>108.30</b>				

**B. GOODS**

Ref. No.	Contract Description	Contract Price (USD million)	Procurement Method	Prequalification (yes/no)	Domestic Preference (Yes/No)	Review by Bank (Yes / No)	Bid-Opening Date	Comments
1	Asset Management Equipment	0.5		No	No	Prior		Profilometer included in Services Pkg 2
2	Computerization, GIS, e-procurement (hardware and software),	2	Two stage bidding	No	No	Prior	Aug-07	
3	Road Safety Goods (GPS, computers, etc)	0.25		No	No	Prior	Jul-07	
4	HIV/Aids – Dispensing Machines	0.1		No	No	Prior	May-07	To be done by NGO

**2.85**

**C. SERVICES**

Ref. No.	Contract Description	Estimated Bid /Contract Price (USD million)	Procurement Method	Prequalification (yes/no)	Domestic Preference (Yes/No)	Review by Bank (Yes / No)	Bid-Opening Date	Comments
<b>Phase I</b>								
Package 1	Feasibility, environmental and social studies for 1698 km of prioritized roads with the option of assigning technical advisory services for the overall project implementation.	0.53	QCBS	No	No	Prior	Services commenced on 10.06.05.	Draft Final report submitted
Package 1 Part B	Technical Advisory Services for overall project implementation.							Part B services being negotiated
Package 2	Detailed Project Report for rehabilitation of 205 km with the option of assigning quality assurance and technical support services during construction	0.53	QCBS	No	No	Prior		Completed
Package 2 Part B	Quality assurance and Technical Support Services during Construction.			No	No	Prior		Services shall begin simultaneously with the start of the physical works (April, 2007).
Package 3	Preparation of detailed Project Reports for upgradation of 152 km length & Construction supervision services	2.67	QCBS	No	No	Prior	Services started on 23.09.05	
Package 3 Part B	Construction supervision Services for Upgradation works during construction.							Services shall commence concurrently with the start of the physical works, May 2007
Package 4	Institutional development studies and development of appropriate action plan.	0.5	QCBS	No	No	Prior		Services temporarily ceased from 10.12.06. To Restart from Apr 2007
Package 5	Independent review of the environment and social assessments	0.05	SBCQ	No	No	Prior	Works started on 21.04.06	Completed
Package 6	Implementation of RAPs on Phase I works	0.03	SBCQ	No	No	Prior	May-06	
		<b>4.31</b>						

Ref. No.	Contract Description	Estimated Bid /Contract Price (USD million)	Procurement Method	Prequalification (yes/no)	Domestic Preference (Yes/No)	Review by Bank (Yes / No)	Bid-Opening Date	Comments		
<b>Phase II</b>										
Package 1	Preparation of detailed Project Reports for rehabilitation & upgradation of 258 km length, including construction supervision as the case may be				4	QCBS	No	No	Prior	Financial opening in April 2007
Package 2	Preparation of contracts for carrying out rehabilitation and upgradation of about 251 kms of road length based on operation and performance based Contracts				4	QCBS	No	No	Prior	Financial opening in May 2007
Package 3	HIV/Aids Awareness				0.25	CQ/SS	No	No	Prior	Jun-07
Package 4	Road Safety Awareness				0.25	CQ/SS	No	No	Prior	Jun-07
Package 5	Road Fund Secretariat				0.65	CQ/SS	No	No	Prior	Jul-07
Package 6	Asset Management software dev. And training				0.3	CQ/SS	No	No	Prior	TBD
Package 8	Training IT, contract mgt, procurement				0.7	CQ/SS	No	No	Prior	March-April 2007
Package 9	Training social and environmental				0.25	CQ/SS	No	No	Prior	Jun-07
Package 10	Road Safety database, training etc.				0.25	CQ/SS	No	No	Prior	Sep-07
Package 11	Surveys (Road user, condition, speed, etc.)				2	CQ/SS	No	No	Prior	
Package 12	PPP Preparation				1	CQ/SS	No	No	Prior	
					<b>13.65</b>					

**Attachment 3 - WB PSRSP Phase I – Analysis of Bids**

REHABILITATION	Name	Participated in Bidding	Successful Bidder	Contract Price (In Crores)	Bid Price as per IFB (In crores)	Engineers Estimate (In crores)	Remarks
RH1 - Ferozepur Zira	Harish Chandra (India) Pvt. Ltd.	No					
	M/s TDM Infrastructure Pvt. Ltd.	No					
	Centrodorstroy India Ltd	Yes	<b>Successful</b>	44.14	34.00	41.39	
RH2 - Chandigarh Landran Chunni Sirhind	Harish Chandra (India) Pvt. Ltd.	Yes					
	M/s Unity Infra Project Ltd.	No					
	M/s C & C Constn. Pvt. Ltd.	Yes (Late)					
	M/s Valecha Engg. Ltd.	No					
	GPL Brahmputra	Yes	<b>Successful</b>	43.91	40.00	44.58	
	M/s Trillion Continent	Yes (Late)					
RH3 - Phillaur Aur Rahon Nagar	Centrodorstroy India Ltd	No					
	Harish Chandra (India) Pvt. Ltd.	No					
	M/s TDM Infrastructure Pvt. Ltd.	Yes	<b>Successful</b>	43.45	45.00	51.13	
	M/s Valecha Engg. Ltd.	No					
RH4 - Kapurthala Tarn Taran	Pingxiang Mining Industry group Co.	Yes					Bid Under Evaluation
	M/s C & C Constn. Pvt. Ltd.	Yes					
	M/s Valecha Engg. Ltd.	Yes					
	M/s B. Seenaiah & Co.	Yes					
	M/s Ketan Construction Ltd.	No					
	M/s HCIL - E (JV)	No					
	M/s Somdatt Builders Pvt. Ltd.	No					
RH5 - Zira Dharamkot Road	Harish Chandra (India) Pvt. Ltd.	No					
	M/s TDM Infrastructure Pvt. Ltd.	No					
	Centrodorstroy India Ltd	Yes	<b>Successful</b>	34.73	32.00	35.00	
RH6 – Patiala Sirhind Road	Harish Chandra India Ltd.	Yes					
	M/s Pratibha Industries Ltd.	No					
	M/s Trillion Continent	Yes	<b>Successful</b>	25.74	23.34	27.59	
	GPL Brahmputra	Yes					
	M/s MG Contractors	No					

	M/s C & C Consn.	Yes					
UPGRADATION	Name	Participated in Bidding	Successful Bidder	Contract Price (In Crores)	Bid Price as per IFB (In crores)	Engineers Estimate (In crores)	Remarks
UG1 - Kharar Landran Banur Tepla	Pingxiang Mining Industry group Co.	Yes			-	114.18	Bid Under Evaluation
	M/s JMC Projects (India) Ltd.	Yes					
	Centrodorstroy India Ltd	No					
	PNC Construction Co. Ltd.	Yes					
	M/s C & C Consn. Pvt. Ltd.	Yes					
	M/s Gammon India Ltd.	Yes					
	M/s Simplex Infrastructures Ltd.	No					
	M/s Ketan Construction Ltd.	Yes					
	M/s HCIL - E (JV)	Yes					
	M/s Somdatt Builders Pvt. Ltd.	Yes					
D.S. Consn. Ltd	No						
UG2 - Ludhiana Malerkotla Sangrur	VC Verma Executive Director, Oriental Structural Engg., New Delhi	Yes			-	234.17	Bid Under Evaluation
	PBA Infrastructure Ltd.	Yes					
	M/s TDM Infrastructure Pvt. Ltd.	Yes					
	Centrodorstroy India Ltd	No					
	UEM Constructions Sdn. Bhd	Yes					
	M/s Backbone Enterprises Pvt. Ltd. - Pinxiang	No					
	BSC - C&C JV	Yes					
	M/s Gammon India Ltd.	Yes					
	M/s Simplex Infrastructures Ltd.	Yes					
	M/s Ketan Construction Ltd.	No					
	M/s HCIL - E (JV)	No					
	M/s Somdatt Builders Pvt. Ltd.	Yes					
D.S. Consn. Ltd	Yes						
UG3 - Attari Chabbal Tarn Taran Road	M/s C & C Consn. Pvt. Ltd.	Yes	Successful	45.23	38.00	41.53	
	M/s Trillion Continent Sdn. Bhd.	Yes					
	M/s B. Seenayah & Co.	Yes					

	Centrodorstroy India Ltd	No				
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PERIODIC MAINTENANCE	Name	Participated in Bidding	Successful Bidder	Contract Price (In Crores)	Bid Price as per IFB (In crores)	Engineers Estimate (In crores)	Remarks
PM1 - Ajnala Ramdass and Cheharta Dand Bir Roads	M/s Satish Aggarwal & Co.	Yes	<b>Successful</b>	4.71	5.09	5.16	
	M/s Balwinder Singh & Co.	Yes					
	M/s Singla Constructions	Yes					
	M/s Surjit Singh & Co.	No					
	M/s Buildwell Constn. Co.	No					
	M/s Sharma Constn. Co.	Yes					
	M/s Daljit Singh & Bros	No					
	M/s M.S. Brothers	No					
	M/s Surinder Kumar & Co.	Yes					
PM2 - Gurdaspur Sri Hargobindpur Road	TDM Infrastructure Pvt. Ltd.	No					
	M/s MG Contractors Pvt. Ltd	No					
	M/s Singla Constn. Co.	Yes					
	M/s Rajinder & Co.	Yes	<b>Successful</b>	9.24	10.19	10.18	
	M/s Daljit Singh & Bros	No					
	M/s C & C Constn. Pvt. Ltd.	No					
PM3 - Longowal Sunam, Badbar Longowal and Pakhokey Tappa Road	M/s Vishesh Kumar Contr. Pvt. Ltd.	Yes					
	M/s Garg Construction Co.	Yes	<b>Successful</b> (Pakhokey Tappa)	2.93	2.76	2.76	
	M/s DS Builders	Yes	<b>Successful</b> (Sunam Longowal)	3.37	3.48	3.47	
	M/s Singla Constn. Co.	Yes					
	M/s JK Associates	Yes					
	M/s Harbhajan Singh	No					
PM4 - Khanna Samrala Rahon Nawanshahar Garhshankar Road	M/s MG Contractors Pvt. Ltd	Yes					
	Centrodorstroy India Ltd	Yes					
	M/s Valecha Engg. Ltd.	Yes	<b>Successful</b>	12.16	13.58	13.70	

PERIODIC MAINTENANCE	Name	Participated in Bidding	Successful Bidder	Contract Price (In Crores)	Bid Price as per IFB (In crores)	Engineers Estimate (In crores)	Remarks
PM5 - Kapurthala Tashpur, Sultanpur Dalla & Dadwindi Sultanpur Road	M/s Singla Constn. Co.	No			5.34	5.52	Bid Under Evaluation
	M/s Satish Aggarwal & Co.	Yes					
	M/s Valecha Engg. Ltd.	Yes					
	M/s Rajinder & Co.	Yes					
PM6 - Sitogana Dabwali Road	M/s Singla Constn. Co.	Yes	<b>Successful</b>	3.44	3.25	3.37	
	M/s Shivam Constn.	Yes					
PM7 - Faridkot to Ferozepur Road	M/s Welkin India	Yes					
	M/s Kumar Builders	No					
	M/s VK Builders	No					
	M/s Singla Constn Co.	Yes	<b>Successful</b>	4.40	4.38	4.49	
	M/s MP Enterprises	No					
	M/s Shivam Constn Co. Ltd	Yes					
	M/s MG Constn. Pvt. Ltd.	No					
	M/s SF Constn Co. Ltd	No					
PM10 - Baghapurana Bhagta Bhucho Road	M/s Vishesh Kumar Contr. Pvt. Ltd.	Yes					
	M/s Singla Constn. Co.	Yes	<b>Successful</b>	6.80	6.53	6.39	
	M/s DM Constn. Co.	No					
PM11 - Sri Hargobindpur Batala Dera Baba Nanak Road	M/s Satish Aggarwal & Co.	No					
	TDM Infrastructure Pvt. Ltd.	Yes					
	M/s MG Contractors Pvt. Ltd	No					
	M/s Daljit Singh & Bros	No					
	M/s Singla Constn. Co.	Yes					
	M/s Sharma Constn. Co.	No					
	M/s Jagson Constn. Pvt. Ltd.	No					
	M/s Rajinder & Co.	Yes	<b>Successful</b>	7.82	8.43	8.07	
M/s C & C Constn. Pvt. Ltd	No						