



# Air Quality Management Component for the Hanoi Urban Transport Project

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## **Objectives:**

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- Discuss the air quality management component and agree on the contents
- Agree on a list of priority items for air quality management in Hanoi (to design air quality management action plans for short, medium and long-term)
- Agree on the next steps for the design of the air quality management component based on the current plans by various stakeholders and local needs

## AQMC Tasks and Budget

AQMC Tasks List	Budget US\$(000)			
	Equipment	TA+Misc.	Total	Source
1. Air Quality Management				
a. Monitoring and Data management	250	250	500	
b. Inventories, Data Analysis, etc.	100	400	500	
c. Health Impact, Policy and Strategy	100	400	500	
d. Control Measures Implementation	1000	1000	2,000	
Sub Total for Task 1	1,450	2,050	3,500	
2. Public Awareness and participation	200	800	1,000	
3. Strategic Assessment and Planning	100	400	500	
<b>TOTAL AQMC</b>	<b>1,750</b>	<b>3,250</b>	<b>5,000</b>	

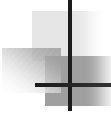
## Studies and Reviews to be done

1. Consolidation of Air Quality Data in Hanoi and historical trends – how much does the background contribute? Long-term data management?
2. Air Quality Monitoring System review – locations, numbers, etc.
3. Review of ambient and emissions standards and AQI
4. Emissions Inventory (a basic one - is there a crude one that anyone has?) – how much fuels (oil, coal, gas, bio-solids, etc.) is used in various sectors, etc.
5. Brick Kiln sector contribution to AQ



## Studies and Reviews (2/2)

6. Health Impact Analysis
7. Motorcycle and Diesel Clinics for I & M importance (US AEP, EU, Swisscontact, AVL, SIAM and others)? Funding – 100K? What is a good time to do this?
8. Diesel clinics? How much diesel is used in the city as compared with gasoline?
9. Identifications of key policy gaps and how they may be addressed.
10. Economic instruments and Policy that may be tried for better AQM? Restrict Coal use; Bio mass Burning control,
11. Contribution of long-range transport (other countries) to Hanoi
12. Use of Receptor modeling for source apportionment
13. Social and cultural considerations should be included while considering any policy change



## Next steps for the air quality management component design – by December 2005

1. Roundtable discussion and agreement on the major tasks January 26, 2005
2. Separate out what is already being done by other donors February 5, 2005
3. PMU and DONRE to discuss AQMC project preparations needs and how to fund this effort (WB will fund international consultants input) – February 10, 2005
4. WB to send DONRE and others a detailed list of project task as discussed today by February 15, 2005
5. DONRE to form a Technical Advisory Committee (TAC) to advise them on details of what should be included in the Bank Project by February 25 2005



## Next steps.... Continued (2/2)

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6. WB to assist DONRE with the draft TA consultant TOR by March 1, 2005
7. TAC to meet on a monthly basis to discuss AQMC and provide further technical details – Starting March 2005? DONRE to announce for expression on interest for some of the basic AQ equipment and TA (individuals and companies) – April 2005
8. DONRE to finalize TA TOR and equipment technical specifications and give them to PMU for preparing procurement packages June 2005.
9. PMU to announce procurement packages in August 2005 – selection to be done by December 2005.



## LOGISTIC

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1. Form an Air Quality Stakeholder Group (AQSG) for formulating Action Plan (is there one under CAI-Asia?) – larger than WB project
2. AQSG to meet on a regular basis to formulate action plans (short, medium and long-term) – where and who to host?
3. WB staff and consultant to revisit in May and November 2005

# The "Blame Game"...

