

International ERRA Conference April 19-21, 2010

“CONVERTING ADVERSITY INTO OPPORTUNITY: LEARNING FROM EXPERIENCES IN RECONSTRUCTION AND REHABILITATION FOR REBUILDING LIVES AND COMMUNITIES AFTER DISASTERS”

Indicative Themes for the Sessions on:

“Education Sector”

- **Reconstructing infrastructure facilities on a fast track technologies: challenges and lessons**
- **Integrating and updating new building codes and introducing light weight fast track technologies in reconstruction efforts of infrastructural projects in EQAA to avoid any future damage and disaster.**
- **Through experiences enhancing capacity of educational institutions, educational planners, managers to meet the challenges and to rebuild and restore confidence of communities, parents and students to resume their studies in an environment of built back better facilities**
- **The successes and challenges of the policy programme intervention developed by ERRA in the Education Sector across the affected areas of NWFP and AJK and critical need for sector coordination that includes national educational authorities at central, provincial and district levels is imperative.**
- **Without long term, strategic, sector-wide planning by the planners, the vision of building back better will only be partially achieved.**

Probable Speakers:

Mr. Toshio Sugiman, Professor Kyoto University-Japan, Graduate School of Human & Environmental Studies
 Professor Dr. Muhammad Kamran Naqi Khan, Hamdard University Islamabad-Karachi Campus
 Dr. Branda Iplik, unicef Sri-lanka

Thematic Areas	Notes To Speakers	Session Guiding Questions	Outputs from the conference
<p>Education Sector Session: 1 hour and 30 minute - presentation of papers by 4 resource persons:</p> <p><u>Theme:</u></p> <p>Overview of Fast Track Technologies used in the Earthquake Affected Areas</p> <p><u>Sub Themes:</u></p> <ul style="list-style-type: none"> • Design Criteria and Performance of Fast Track Technologies in Post Earthquake Reconstruction Environment 	<ul style="list-style-type: none"> • Bringing teachers/students back to their study place to resume studies despite being in trauma is a big challenge faced by ERRA in the education sector. • One way to achieve this objective is to reconstruct educational facilities damaged/destroyed in the earthquake affected areas by employing different fast track technologies. • In the international context of reconstruction and rehabilitation, the speakers are expected to highlight the importance of using fast track technologies in the earthquake hit areas for the reconstruction of facilities which are seismic resilient. 	<ul style="list-style-type: none"> • What are the benefits and importance of introducing fast track technologies in infrastructure development projects? • What are the comparative advantages of using these fast track technologies vis-à-vis the conventional ones? • What would be expected additional operational and maintenance cost of fast track technologies? • Do we have the institutional back up for 	<ul style="list-style-type: none"> ➤ Although achievements of ERRA in the Education Sector are encouraging, yet there is a need to learn/share experiences locally as well as internationally to have refinement and further improvement in use of fast track technologies. ➤ The session is to highlight uses of different fast track construction technologies with reference to their field of experience, however in case of

<ul style="list-style-type: none"> • Operation, Maintenance & Sustainability Issues of Contemporary Fast Track Technologies in Developing and Underdeveloped Countries • Economies of Fast Track Construction Technologies versus Conventional Construction • Sustainability of Modern Technologies Used in Health/Education Sector Facilities • Human Resource Challenges to Operationalize & Maintain Health & Education Facilities 	<ul style="list-style-type: none"> • The speakers may highlight the issues and problems faced by them in conducting different surveys and design (manufacturer specific versus site specific) required for implying these fast track technologies • How far it is possible to quickly train human resource in the required fast track construction technologies. • Whether countries like Pakistan have the resources to introduce the desired technology and its paraphernalia in a shortest possible time. • How far National and International NGOs are helping Pakistan in brining such needed fast track technologies along with required expertise and experience. • For sustainability issues extra resources are needed; whether Developing Countries like Pakistan can manage use of these new and fast technologies on long 	<p>applying and introducing new fast track technologies, where land issues, community conflicts and inhospitable terrain are numerous?</p> <ul style="list-style-type: none"> • How far our construction industry is developed and equipped to undertake different laboratory tests needed to test the quality and strength of material required in the fast track technologies? • Do we have computer software and software Engineers to help resolve issues of designing? • What is the role of 	<p>ERRA, we have introduced technologies like SCIPS, Light Gauge Steel Structures and educational facilities in these technologies are under construction.</p> <ul style="list-style-type: none"> ➤ The session is meant to highlight uses of these fast track technologies in the post earthquake scenario for Development Results and Validating Changes in people’s lives – the Papers and the Subsequent Presentations/ Discussions are to Substantiate: ➤ ERRA’s initiatives in the introduction of
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<ul style="list-style-type: none"> Disaster Risk Reduction & Management of Health & Education, Communication & Physical Infrastructure 	<p>term basis</p> <ul style="list-style-type: none"> Since there is always a danger of earthquake due to Fault Lines, such countries are required to introduce Disaster Risk Reduction and Management as apart of prescribed curricula in their school. For this purpose academicians (local and international) are to be encouraged and helpful groups, from all walks of life, educated in this manner. 	<p>Donors like World Bank, Asian Development Bank, Islamic Development Bank in patronising new and fast track technologies in the earthquake affected areas of Pakistan?</p> <ul style="list-style-type: none"> Lesson learnt in terms of presenting a national level case study; how adversity has been converted into opportunity through the introduction of fast track technologies? 	<p>fast track technologies,</p> <ul style="list-style-type: none"> ➤ Construction of schools through community participation for Institutional Transparency and Enhanced ➤ Performance of ERRA
<p>The session will be followed by a 15 minute Q&A session.</p>	<p>For all the sessions speakers are to incorporate ERRA approaches with that of their work or their experiences handling media. This is expected to form the basis of shared international practices to generate knowledge and lessons for replication and institutionalization</p>		
<p>Key Recommendations/best practices, for the session, will be captured and shared at the end of the conference with the participants.</p>			