

THE 7th JOINT WORKSHOP AND BILATERAL OPEN SEMINAR WERE SUCCESSFULLY HELD IN BATAM, INDONESIA

According to the proposal from Indonesia side at the last 6th Work Shop(hereinafter," WS") in Bandung, both side held a Bilateral Open Seminar on Long Span Bridge Technology(hereinafter," the Seminar") which will be a key issue for Indonesia in order to make the national land vision of 6-axis Corridor come true in reality. This vision is also a part of ASEAN-connectivity. And from Japan side, Tunnel construction technology was recommended to add to the seminar theme, for it is useful and indispensable in the development of Indonesia and its vision.

The Seminar was delivered along with the 7th WS in BATAM, Indonesia where a long span bridge project is on the way to the actual planning. In this 7th WS, both side picked up two themes focused on;

- 1) Bridge maintenance research roadmap drafted in the 6th WS, and
- 2) Tunnel and underground structure research roadmap revised in the 6th WS

In the Seminar, Prof.Yozo FUJINO, Tokyo Univ., Japan presented an excellent lecture in the General Session which was on the Long Span Bridge with its technological history. Republic of Indonesia and Japan are both island countries. And Especially in Indonesia so many long span bridges will be needed to construct including Sunda-Strait. Both sides highly appreciated the lecture as a mile stone for the technological cooperation between two countries to proceed fruitfully in the future.

Also in the Seminar, private sectors made presentations on durability of the bridge painting over the sea and tunnel management on site in construction and maintenance. And an actual long span bridge project in other area in the world was introduced for the reference.

1. 7th WS in BATAM

On 5th June, discussions of the cooperation on Bridge structure maintenance and related presentations were delivered from both sides.

(1) Road map WS on Bridge Maintenance

Overload regulation and related system in Japan were presented, the non-structural measures of which were showed as crucial part of the Bridge maintenance policy package in Japan. From Indonesia side, on-going inspection system was showed in discussions, but it became clear for the data with assessment not to be summarized into the report so far, and. And corrosions of the bridge structure were showed as most hot issue in Indonesia.

And integrated meeting facilitated by international teams suggested that the result of the inspection assessment and the feature of deteriorations of bridge components in Indonesia should be shared till the next WS.

(2) Road map WS on Tunnel and Underground Structure

As to the cooperation of Tunnel and Underground Structure Research Project, Indonesia side presented a trial research on numerical modeling and analysis of rock conditions for tunnel construction in Indonesia. And from Japan side the auxiliary method and other relevant technologies including quality control on site were introduced.

- (3) Both sides discussed to issue research papers to the related conference held in the near future.



(7th WS Opening)



(Vice Minister/ Rinau Vice Governor/ ARD)



WS (1) Bridge Maintenance



WS (2) Tunnel and Underground Structure



2. Bilateral Seminar on Long Span Bridge and Tunnel Technology

(1) General Session

In General Session, after the opening address by Vice Minister of Public works, Indonesia, Ir.Dr.A. Hermanto Dardak, a special lecture was presented by Prof.Yozo FUJINO, Tokyo Univ., Japan, titled "Recent developments of Long Span Bridges and some lessons learned from past accidents". And from Indonesia side, Policy of Bridge Maintenance Strategy and Implementation was showed.

(2) Technical Session

5 presentations from Indonesia side and 6 presentations from Japan side were delivered in Technical Session.

(06/June/Seminar/Opening)



(ARD/Vice Minister/NILIM/TokyoUniv)



(Attending 150 researchers/Officers)



(Vice Minister/Opening Address)



(Prof. FUJINO/Tokyo Univ./Key Note Lecture)



(Technical Session (1) Long Span Bridge)



(Technical Session (2) Tunnel Technology)

3. Next ACTIONS

Both sides reiterated the importance of the Interim WS planned in TSUKUBA, Japan at the end of this June to confirm and share the achievements at this stage. And the interim findings and data should be submitted to the international conference like REAAA or other academic events to give messages to integrate third institutes into joining the cooperation.

As to the Long Span Bridge, Indonesia side revealed an intention of technological requests being showed with actual projects in the near future. From Japan side, including participants from private sectors, it would be welcome to serve further information requested by Indonesia side to support for mutual benefits. And the Second Seminar of Long Span Bridge was proposed as focused on the Substructure, the technology of which is indispensable to the Sunda Strait Bridge located in the sea.



(Integrated Session WS (1) (2))



(Balerang Bridge Site Observation)

(International Research and Promotion Division)

(APPENDIX) Short history of the cooperation

- 2009.06 Pre-meeting in Jakarta and Bandung
- 2009.11 Tsukuba, MoU(C) agreed in general
- 2010.03 Bandung at RDCRB(IRE) (1st WS for targeting the themes)
- 2010.06 Tsukuba, joint meeting for Bali coming symposium.
- 2010.10 International Symposium in Bali
(2nd WS to declare the strategy for cooperative researches)
- 2011.01 Jakarta in MPW (3rd WS to make the roadmaps)
- 2011.06 Sulawesi (4th WS to make the roadmaps II and site observation)
- 2011.09 Technological Tour in Japan for modernizing experimental
Equipments and Facilities of RDCRB(IRE)
- 2011.10 Lombok (5th WS/ Bilateral Seminar)
- 2012.03 Jakarta and Bandung
(6th WS including River and Water Resource issue)