

APPENDIX - A13.4

**Minutes of the Meeting
of the Managing Director
with JICA Study Team held in
the Committee Room of the MD Secretariat
at 9th Mile, Karsaz, Karachi,
on 7-5-2007 at 11:00 AM**

A13.4 Minutes of the Meeting of the Managing Director with JICA Study Team Held in the Committee Room of the MD Secretariat at 9th Mile, Karsaz, Karachi, on 7-5-2007 at 11:00 AM

**KARACHI WATER AND SEWERAGE BOARD
TRAINING DEPARTMENT
9th Mile Karsaz, Sharae Faisal, Karachi.**

Ref. No.: KWSB/Trg/JICA/0507/ 42

Date: May 22, 2007

**The CE (Projects), KWSB/
Secretary, Steering Committee
KWSB**

**The SE (BWSC), KWSB /
Project Coordinator, JICA
KWSB**

**The Team Leader
JICA Study Team
KWSB**

**The Project Administration Manager
JICA Study Team
KWSB**

**The Sr. Advisor (Water Supply Development)
JICA,
Japan**

**The Sr. Dy. Resident Representative
JICA
Islamabad**

**The Dy. Resident Representative
JICA
Islamabad**

**The Coordinator
JICA
Karachi**

SUB: MINUTES OF THE MEETING OF THE MANAGING DIRECTOR, KWSB WITH JICA STUDY TEAM HELD IN THE COMMITTEE ROOM OF THE MD SECRETARIAT AT 9TH MILE, KARSAZ, KARACHI, ON 7-5-2007 AT 11:00 AM.

This is with reference to the meeting of the Managing Director, KWSB with JICA Study Team held in the Committee Room of the M.D. Secretariat at 9th Mile, Karsaz, Karachi, on 7-5-2007 at 11:00 a.m.

Enclosed, please find, the minutes of the said meeting duly approved by the Managing Director, KWSB.

Encl: As above


**Mohammed Tahseen Manzar
Director Training, KWSB
Dy. Project Coordinator JICA**

C.C:

1. The Managing Director, KWSB
2. The DMD (Planning), KWSB

SUB: MINUTES OF THE MEETING OF THE MANAGING DIRECTOR, KWSB WITH JICA STUDY TEAM HELD IN THE COMMITTEE ROOM OF THE MD SECRETARIAT AT 9TH MILE, KARSAZ, KARACHI, ON 7-5-2007 AT 11:00 AM.

A meeting of the Managing Director, KWSB, with JICA Study Team was held in the Committee Room of the MD Secretariat at 9th Mile, Karsaz, Karachi, on 7th May 2007 at 11:00 am. The meeting was convened on the request of JICA Study Team.

Following officials of KWSB and JICA attended the meeting:

1. Mr. Ghulam Arif Khan, Managing Director, KWSB
2. Mr. Mashkoo ul Hasnain CE (Projects), KWSB / Secretary, Steering Committee
3. Mr. Iftikhar Ahmed, Project Coordinator, JICA / SE (BWSC), KWSB
4. Ms. Farida Salam Dy. Project Coordinator JICA / Manager MSS, KWSB
5. Mr. Tahseen Manzar Dy. Proj. Coordinator JICA / Director Training, KWSB
6. Mr. Sadanobu Sawara Team Leader, JICA Study Team
7. Mr. Salim Amin Project Administration Manager, JICA Study Team
8. Mr. Omura Yoshiki Sr. Advisor (Water Supply Development) JICA, Japan
9. Mr. Tsutomu Shimizu Sr. Dy. Resident Representative, JICA, Islamabad
10. Mr. Mahmood A Jilani, Dy. Resident Representative, JICA, Islamabad
11. Mr. Talib Fateh Coordinator, JICA, Karachi

The Managing Director, KWSB, welcomed the participants and requested to apprise him of the issues.

After briefings about issues and discussions, questions and cross questions on those issues, following decisions were made:

To avoid the confusion in understanding the clientele issue, it was explained as:

JICA is the client of JICA Study Team. The Consultants working in the Study Team are acting on behalf of JICA and JICA under inter-governmental arrangements is helping the citizens of Karachi through KWSB.

The JICA Team explained that Progress Report No. 2 was merely a progress report, not the final report. They would incorporate the comments, observations and reservations of all the members of Steering Committee including those of KWSB in the next report i.e. Interim Report to be submitted in July 2007.

Regarding the issues like the authenticity of 35% leakages, the Team leader was requested to name the study he had referred to as the supporting evidence. The Team Leader agreed to the point.

After listening to the detailed versions of both sides on the issue of not circulating the Progress Report No. 2, the Managing Director, KWSB, directed the Chief Engineer (Projects), KWSB / Secretary, Steering Committee, to circulate the Progress Report No. 2 along with the Minutes of Steering Committee, the questionnaires of KWSB and JICA Team's replies to them. He further asked to request the members of the Steering Committee to give their comments within 15 days.

The Managing Director, KWSB, enquired about the coordination and cooperation between JICA Study Team and the CDGK Master Plan Department. He emphasized that both the Master Plans (CDGK and JICA) should be aligned. Responding to the concern of the Managing Director, KWSB, the Team Leader, JICA Study Team, informed the participants that initially they had some problems but now the things have been resolved and now coordination and cooperation with CDGK Master Plan Department is proceeding in the right direction with exchange of information.

Mr. Mahmood A Jilani, Dy. Resident Representative, JICA, Islamabad, asked for the status of expansion in Steering Committee by including the stakeholders as was decided in the first meeting of the Steering Committee. The Chief Engineer (Projects), KWSB, informed that, at present, the same is with the Local Govt. Department, GoS. The Managing Director, KWSB, after contacting LG Department on phone assured Mr. Jilani that he would get it done as soon as possible.

Mr. Jilani informed that in future, JICA Study Team would try to submit its report at least one week earlier with the request to the members to come up with written comments.

APPENDIX - A13.5

**Minutes of Meeting of JICA Team for Study
on Water Supply and Sewerage System
in Karachi held under the Chairmanship
of Additional Chief Secretary (Dev)
on 08-05-2007 at 11:00 A.M.**

A13.5 Minutes of Meeting of JICA Team for Study on Water Supply and Sewerage System in Karachi Held under the Chairmanship of Additional Chief Secretary (Dev) on 08-05-2007 at 11:00 A.M.



NO. P&D/FA/JPN-51/2004
GOVERNMENT OF SINDH
PLANNING & DEVELOPMENT
DEPARTMENT
[Foreign Aid Section]
Karachi dated the 21st May, 2007

The Secretary to Government of Sindh
Local Govt., Katchi Abadis & Spatial Development Department
Karachi.

The Secretary to Government of Sindh
Finance Department
Karachi.

The Managing Director
Karachi Water & Sewerage Board
09th Mile, Karsaz, Shahrah-e-Faisal
Karachi.

***SUBJECT: MINUTES OF MEETING OF JICA TEAM FOR STUDY ON
WATERSUPPLY AND SEWERAGE SYSTEM IN KARACHI
HELD UNDER THE CHAIRMANSHIP OF ADDITIONAL CHIEF
SECRETARY (DEV) ON 08-05-2007 AT 11.00 A.M.***

The undersigned is directed to state that the meeting of JICA Team for Study on Water Supply and Sewerage System in Karachi held under the Chairmanship of Additional Chief Secretary (Dev) on 08-05-2007 at 11.00 a.m. in P&D Department. The minutes of the meeting are enclosed herewith for information and necessary action

The Managing Director, Karachi Water & Sewerage Board is further requested to kindly circulate the attached minutes to the members of the Steering Committee also.

(Abbas Ali)
Assistant Chief (Foreign Aid)

c.c. to:

Mr. Sadanbu Sawara, Team Lead, JICA Study Team, for Water Supply and Sewerage System in Karachi, IF-KWSB Training Centre, Karachi Water & Sewerage Board, 09th Mile, Karsaz, Shara-e-Faisal, Karachi.

The Chief (PP&H) Section, P&D Department, Karachi.

- PS to ACS (Dev)
- PS to CE

Assistant Chief (Foreign Aid)

**MINUTES OF MEETING OF JICA TEAM FOR STUDY ON WATER
SUPPLY AND SEWERAGE SYSTEM IN KARACHI HELD UNDER
THE CHAIRMANSHIP OF ADDITIONAL CHIEF SECRETARY (DEV)
ON 08-05-2007 AT 11.00 A.M.**

(List of Participants Attached)

A JICA Team for Study on Water Supply and Sewerage System in Karachi met Additional Chief Secretary (Dev) on 08th May, 2007 at 11.00 a.m. in Planning & Development Department to follow up the progress of the Steering Committee Meeting held on 28th February, 2007. The deliberation made and decision taken in the meeting are as follows:-

- i Regarding distribution of Progress Report No. 2 to the members of the Steering Committee and convening of another Steering Committee meeting, as per the requirement of para 17 of minutes of the 2nd Steering Committee, it was agreed that the questions / reservations of Managing Director, KW&SB, and the proceeding of follow up meeting with the KW&SB held on 1st & 2nd March, 2007, alongwith the replies of JICA Team would be incorporated in the progress Report No. 2 for circulation to all the members of the Steering Committee. The necessity of holding another meeting of the Steering Committee. was not found appropriate at this stage
- ii As proposed in the 1st meeting of Steering Committee for inclusion of additional members in the Steering Committee set up by including other stakeholders, it was agreed that Local Government Department would move the proposal to SGA&CD for issuance of formal notification.
- iii It was urged that there should not be any duplication/overlapping in the JICA Study with the Studies being under taken by ADB TA for Karachi Mega City Development Project. The JICA Team further informed that till finalization of the JICA Study Report, the JICA was unable to make any commitment in respect of funding the investment programme by the Japanese Government.

Contd....page/2

(2)

- iv It was pointed out that the minutes of the Steering Committee were not signed by the Secretary of the Steering Committee. Therefore it was directed by the chair that in future, the minutes of Steering Committee meeting should be signed by the Secretary of Steering Committee instead of Project Coordinator.

**MINUTES OF MEETING OF JICA TEAM FOR STUDY ON WATER
SUPPLY AND SEWERAGE SYSTEM IN KARACHI HELD UNDER
THE CHAIRMANSHIP OF ADDITIONAL CHIEF SECRETARY (DEV)
ON 08-05-2007 AT 11.00 A.M.**

(List of Participant)

- | | |
|---------------------------------|--|
| 1. Mr. Omura Yoshiki, | JICA Head Quarter |
| 2. Mr. Sadanobu Sawara | Team Leader JICA Study Team |
| 3. Mr. Mahmood A. Jilani | DRR/CPO, JICA |
| 4. Mr. Shinsaku Fukazawa | DRR JICA Pakistan |
| 5. Mr. Shaikh Talib Fatah | Project Coordinator JICA, Karachi. |
| 6. Mr. Muhammad Salim Amin | Project Administration Manager |
| 7. Mr. Muhammed Tahseen Manzoor | Director Training KWSB/Deputy
Project Coordinator |
| 8. Mr. M. Y. Waliullah | Secretary, P&D |
| 9. Mr. Muhammad Ali Khaskhely | Chief Economist P&D |
| 10. Dr. M. Nawaz Shaikh | Additional Secretary, Finance Dept: |
| 11. Mr. Khalid Mahmood Siddiqui | Chief (PP&H) P&D |
| 12. Mr. Hassan Ali Din Muhammad | Chief (F.Aid) P&D |
| 13. Mr. Abbas Ali | Assistant Chief (F.Aid) P&D |

APPENDIX - A13.6

**JICA Study Team's Letter
Regarding Minutes of the Meeting
of the Steering Committee
held on February 28, 2007
to Review Progress Report No.2**

A13.6 JICA Study Team's Letter Regarding Minutes of the Meeting of the Steering Committee held on February 28, 2007 to Review Progress Report No.2

jica JICA Study Team

NSC Nihon Suido Consultants Co., Ltd.
TEC Tokyo Engineering Consultants Co., Ltd.

The Study on Water Supply and Sewerage System in Karachi in the Islamic Republic of Pakistan

Office: 1F - KWSB Training Centre, Karachi Water and Sewerage Board
9th Mile, Karsaz, Shara-e-Faisal, Karachi, PAKISTAN
Tel: +92-(0)21- 9245126 FAX: +92-(0)21- 4528744

Ref No: JST/86/05/2007

15 May 2007

Mr. Iftikhar Ahmed
Project Coordinator,
JICA Study Team / SE (BWSC), KW&SB

Subject: Minutes of the meeting of the Steering Committee held on February 28, 2007, to review Progress Report No.2

Dear Sir,

We acknowledge receipt of the minutes of the above Steering Committee meeting, reference SE(BT)Estt/2007/88, dated 02 May 2007 and would like to comment as follows:

The issues described in Items 16 and 17 of the minutes of the February 28 Steering Committee meeting were discussed further at the meetings of JICA Study Team and the JICA delegation from Japan and Islamabad with (1) Mr. Ghulam Arif, Managing Director, KW&SB on 07 May 2007 and (2) Mr. Ghulam Sarwar Khero, Additional Chief Secretary (Dev) Government of Sindh on 08 May 2007; the following decisions were made by consensus of all those who participated in these two meetings.

- Chief Engineer (Projects), KW&SB / Secretary, Steering Committee, will distribute Progress Report No.2 (which KW&SB received from the JICA Study Team on February 24, 2007) to each member of the Steering Committee without further delay with (a) the minutes of the February 28 Steering Committee meeting, (b) the KW&SB's questionnaires delivered to JICA Study Team on March 1, 2007, and (c) JICA Study Team's replies to the KW&SB's questionnaires attached to the report.

- It is therefore not necessary to convene the meeting of the Steering Committee referred to in the last sentence of Item 17 of the minutes of the February 28 Steering Committee meeting.

With kind regard,



Sadanobu SAWARA

Team Leader, JICA Study Team

CC:

The Chairman, Steering Committee, ACS (Dev) GoS, Karachi
The City Nazim, City District Government, Karachi
The Secretary, Local Government, GoS, Karachi
The District Coordination Officer, City District Government, Karachi
The Chief (Foreign Aid), P&D Department, GoS, Karachi,
The Special Secretary, P&D Department, Gos, Karachi
The Managing Director, Karachi Water & Sewerage Board, Karachi
The EDO (Master Plan), City District Government, Karachi
The Chief Engineer (Projects), KW&SB/Secretary Steering Committee, Karachi
The Chief (PP&H), P&D Department, GoS, Karachi
The Deputy Managing Director (Planning), KW&SB, Karachi
Ms. Farida Salam, Dy. Project Coordinator JICA / Manager MSS, KW&SB
Mr. Tahseen Manzar, Dy. Project Coordinator JICA / Director Training, KW&SB
Mr. Yoshiki Omura, Sr. Advisor (Water Supply Department) JICA, Japan
Mr. Tsutomu Simizu, Sr. Dy. Resident Representative, JICA Islamabad
Mr. Shinsaku Fukazawa, Dy. Resident Representative, JICA Islamabad
Mr. Mahmood A Jilani, Dy. Resident Representative, JICA Islamabad
Mr. Talib Fatah, Coordinator, JICA Karachi
Mr. M. Salim Amin, Project Administration Manager, JICA Study Team

APPENDIX - A13.7

**JICA Study Team's Letter
Regarding the Minutes of the Follow-up Meetings
Held on March 01, 2007 and March 02, 2007
to Review Progress Report No.2**

A13.7 JICA Study Team's Letter Regarding the Minutes of the Follow-up Meetings Held on March 01, 2007 and March 02, 2007 to Review Progress Report No.2

JICA JICA Study Team **NSC** Nihon Suido Consultants Co., Ltd.
JEC Tokyo Engineering Consultants Co., Ltd.

The Study on Water Supply and Sewerage System in Karachi in the Islamic Republic of Pakistan

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9th Mile, Karsaz, Shara-e-Faisal, Karachi, PAKISTAN
Tel: +92-(0)21- 9245126 FAX: +92-(0)21- 4528744

Ref No: JST/87/05/2007

15 May 2007

Mr. Tahseen Manzar

Dy. Project Coordinator,

JICA Study Team / Director Training, KW&SB

Subject: Minutes of Follow-up Meetings Held on 1st and 2nd March 2007 to Review Progress Report No.2

Dear Sir,

We acknowledge receipt of the minutes of the above follow-up meetings, reference KWSB/JICACoord/2007/35 dated 05 May 2007.

Please find enclosed the "Notes of the Meetings" prepared by the JICA Study Team, which represents our understanding of what was discussed and agreed at the meetings.

I am sure that you will agree that in light of the recent high level meetings between Mr. Ghulam Arif, Managing Director of KW&SB, Mr. Ghulam Sarwar Khero, Additional Chief Secretary (Dev), Government of Sindh, JICA Study Team and the JICA delegation from Japan and Islamabad, issues pertaining to Progress Report No.2 to which these minutes relate, have now been fully resolved. Please refer to our letter reference JST/86/05/2007 dated 15 May 2007.

With kind regard,



護 良 員

Sadanobu SAWARA

Team Leader, JICA Study Team

The City Nazim, City District Government, Karachi
The District Coordination Officer, City District Government, Karachi
The Chief (Foreign Aid), P&D Department, GoS, Karachi,
The Special Secretary, P&D Department, GoS, Karachi
The Managing Director, Karachi Water & Sewerage Board, Karachi
The EDO (Master Plan), City District Government, Karachi
The Chief Engineer (Projects), KW&SB/Secretary Steering Committee, Karachi
The Chief (PP&H), P&D Department, GoS, Karachi
The Deputy Managing Director (Planning), KW&SB, Karachi
The Project Coordinator, SE (BWSC), KW&SB
Ms. Farida Salam, Dy. Project Coordinator JICA / Manager MSS, KW&SB
Mr. Yoshiki Omura, Sr. Advisor (Water Supply Department) JICA, Japan
Mr. Tsutomu Simizu, Sr. Dy. Resident Representative, JICA Islamabad
Mr. Shinsaku Fukazawa, Dy. Resident Representative, JICA Islamabad
Mr. Mahmood A Jilani, Dy. Resident Representative, JICA Islamabad
Mr. Talib Fatah, Coordinator, JICA Karachi
Mr. M. Salim Amin, Project Administration Manager, JICA Study Team

Notes of Meeting held on 01 March 2007 regarding Progress Report No.2, specifically related to water supply and institutional strengthening aspects.

Those present at meeting:

MD, DMD (Planning) & CE (Projects) of KW&SB

Mr Sawara, Mr Oga & Mr De Seta of JICA Study Team (JST)

- (01) KW&SB requested that 3 copies of future progress reports in draft form should be made available 2 weeks prior to steering committee meetings. It was agreed that the JICA Study Team (JST) would inform JICA of this request.
- (02) KW&SB handed over 2 questionnaire documents (Annex-A & Annex-B) detailing questions regarding Progress Report No.2 and Appendices. It was agreed that JST would provide a written response to the questions raised. No timescale was specified.
- (03) KW&SB suggested that JST considers KW&SB as the 'client', rather than JICA. JST agreed to inform JICA of the suggestion.
- (04) KW&SB requested that JST conduct a detailed study (by flow measurement) to determine accurate figures for leakage within the bulk supply system, water trunk mains, distribution and service mains. The agreed JICA scope for the project does not include this activity, however, JST agreed to inform JICA of the request.
- (05) KW&SB requested that 'unconstrained' water demand projections be forecast rather than taking the 1200 cusecs (stipulated in the K-IV study report) as the finite availability of water from the source by 2025. JST agreed to superimpose on the current demand projection graph 'unconstrained' water demand projections based on the per capita water demand of 54 gpcd which has been adopted by KW&SB in the planning of various projects in the past. Meanwhile, JST suggested that, for purposes of facility planning, it would not be prudent to project water availability beyond realistic capacity of the water sources, which is 1365 mgd as shown in the presentation slide no.33 (used by JST during the February 28, 2007 Steering Committee).
- (06) It was agreed by both parties that a separate study should be conducted to determine whether Kinjhar Lake has sufficient capacity to yield 2400 cusecs of silt-free water for abstraction for drinking water supply purposes. It was further agreed that the scope of the JICA masterplan should be confined to downstream of the Kinjhar Lake.
- (07) KW&SB requested that Figure 22.2.1 on page 2-10 should not indicate the siting of future filtration plants as the route of K-IV has yet to be agreed by KW&SB. JST understand that whilst various routes have been studied by the K-IV project, the siting of the filtration plants are common to all routes. JST would suggest therefore, that for purposes of facility planning, it would be sensible for JST to retain the current siting of the filtration plants.
- (08) Both parties agreed that DNI as detailed in the presentation slides no.37 and no.38 (used by JST during the February 28, 2007 Steering Committee) will be selected as the priority project which will be subjected to feasibility study during Phase 3 of the JICA study. However, KW&SB suggested that both parties should hold detailed discussions to determine the exact location of the DNI area when JST returns Karachi next time.
- (09) It was agreed that KW&SB would confirm to JST whether all the major housing development schemes have been included in Table 21.2.2 on page 2-3.

- (10) Both sides agreed that where it was technically and economically feasible, advantage of the natural topography (high ground/hillocks) would be used for the siting of reservoirs where this provides a net saving on pumping arrangements.
- *(11) KW&SB have agreed the need for 3 hydraulic zones divided by the Malir and Lyari rivers and NOT town-wise distribution even where this means valving off or metering supplies where trunk mains cross from one zone to another; for example across the rivers.
- (12) KW&SB requested that JST provide more reform options especially related to governance and splitting of bulk and retail supplies. JST agreed to look at further governance options as a priority during the next input scheduled for late April 2007.

Notes of Meeting held on 02 March 2007 regarding Progress Report No.2, specifically related to the sewerage/drainage aspects.

Those present at meeting:

MD, DMD (Planning) & CE (Projects) of KW&SB

Mr Sawara, Mr Nakao, Mr Izumi & Mr De Seta of JICA Study Team (JST)

- (01) KW&SB stressed the importance of ensuring that for existing as well as future schemes, sewage flowing into sewage treatment plants and industrial effluents are treated in accordance with Pakistan NEQS. JST confirmed that these standards had been adopted in the master plan.
- (02) KW&SB stressed the need to relate expected sewage generation with projected water demand figures and that 60% of water demand would be sewage generation. JST mentioned that it adopted the figure of 70% as the ratio of water consumption to sewage generation which was adopted in S-III document prepared by KW&SB.

In determining effluent volume projections, KW&SB were eager to ensure that JST included effluent volumes expected from the numerous agencies other than the Cantonments, DHA etc., mentioned in the progress report. JST replied that sewage generation from these agencies was estimated as 70% of water consumption.
- (03) KW&SB requested that JST give a separate breakdown of the non-domestic sewage. Currently, industrial or trade effluent is combined with commercial as this breakdown is not provided for water consumption projections. JST agreed to check whether this was included in the JST scope of work and if not included would pass on the request to JICA. JST have assumed that industries will comply with the EPA and pre-treat effluents prior to discharge into sewers.
- (04) KW&SB could not find reference to existing effluent quality of nallahs. JST stated that analysis results of nallah's were presented in Progress Report No.1.
- (05) KW&SB stated that S-III scheme was based on removing pollution load through interceptors from the two main rivers JST replied that the JICA Master Plan was prepared based on the same concept.
- (06) KW&SB suggested that if the report mentions areas where sewage was spilling into roads or open areas JST should identify these for priority projects in the master plan. JST replied that it was just guided to a few spots where sewage was discharged to open spaces. Since it is too difficult to identify these spots in the whole city, JST will delete the description.
- (07) KW&SB requested that the DNI took into account the need for improved sewerage/drainage services and infrastructure. JST agreed that this would be taken into account.

APPENDIX - A13.8

**JICA Study Team's Letter
Regarding the Points Raised
at the Follow-up Meetings
(following the Steering Committee Meeting of 28 February 2007)
held Between KW&SB and JICA Study Team
on the 1st and 2nd March 2007
for Confirmation
by the JICA Headquarters
in Japan**

A13.8 JICA Study Team's Letter Regarding the Points Raised at the Follow-up Meetings (following the Steering Committee Meeting of 28 February 2007) held Between KW&SB and JICA Study Team on the 1st and 2nd March 2007 for Confirmation by the JICA Headquarters in Japan

JICA JICA Study Team

NSC Nihon Suido Consultants Co., Ltd.
TEC Tokyo Engineering Consultants Co., Ltd.

The Study on Water Supply and Sewerage System in Karachi in the Islamic Republic of Pakistan

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Tel: +92-(0)21- 9245126 FAX: +92-(0)21- 4528744**

Ref No: JST/88/05/2007

15 May 2007

Mr. Ghulam Arif
Managing Director, KW&SB

Subject: Points raised at the follow-up meetings (following the Steering Committee Meeting of 28 February 2007) held between KW&SB and the JICA Study Team on the 1st and 2nd of March 2007 for confirmation by the JICA Headquarters in Japan

Dear Sir,

As agreed at the Steering Committee Meeting on 28 February 2007, meetings between the JICA Study Team and KW&SB took place on 01 March 2007 and 02 March 2007 to discuss and resolve issues raised by KW&SB regarding Progress Report No.2. The meetings proved very useful as the resultant discussions enabled a number of key issues to be clarified.

You may be aware that a number of the questions raised by KW&SB at these meetings were related to items that fell outside of the scope of the current JICA Study and as such it was agreed that these should be put to the JICA Headquarters in Japan for consideration.

Following discussions between the JICA Study Team and the JICA Headquarters in Japan, we have been informed by JICA that it would not be possible to expand the scope of the current JICA Study as neither sufficient budget, resources, or time is available for the increased work that this would require.

I attach for your information, a document detailing the points raised by KW&SB for JICA's consideration with confirmation of JICA's formal response.

We look forward to working closely with you and the rest of the KW&SB team in making this study a success.

With kind regard,



Sadanobu SAWARA
Team Leader, JICA Study Team

Encl: As stated

CC:

The Chairman, Steering Committee, ACS (Dev) GoS, Karachi
The City Nazim, City District Government, Karachi
The Secretary, Local Government, GoS, Karachi
The District Coordination Officer, City District Government, Karachi
The Chief (Foreign Aid), P&D Department, GoS, Karachi,
The Special Secretary, P&D Department, GoS, Karachi
The EDO (Master Plan), City District Government, Karachi
The Chief Engineer (Projects), KW&SB/Secretary Steering Committee, Karachi
The Chief (PP&H), P&D Department, GoS, Karachi
The Deputy Managing Director (Planning), KW&SB, Karachi
Ms. Farida Salam, Dy. Project Coordinator JICA / Manager MSS, KW&SB
Mr. Tahseen Manzar, Dy. Project Coordinator JICA / Director Training, KW&SB
Mr. Yoshiki Omura, Sr. Advisor (Water Supply Department) JICA, Japan
Mr. Tsutomu Simizu, Sr. Dy. Resident Representative, JICA Islamabad
Mr. Shinsaku Fukazawa, Dy. Resident Representative, JICA Islamabad
Mr. Mahmood A Jilani, Dy. Resident Representative, JICA Islamabad
Mr. Talib Fatah, Coordinator, JICA Karachi
Mr. M. Salim Amin, Project Administration Manager, JICA Study Team

JICA's Confirmation on Points Raised by KW&SB on the 1st and 2nd March 2007

No.	Points Raised by KW&SB for Consideration by JICA	Confirmation by JICA
①	JICA is just a sponsor and KW&SB is the main client of the JICA Study Team (JST).	JICA Study Team (JST) has a contractual agreement with JICA and therefore JICA is the client of the JST.
②	<p>All the reports prepared by the JST in future must be reviewed and agreed by KW&SB before they are distributed to the Chairman and members of the Steering Committee (SC).</p> <p>JST should be required to submit 3 copies of the draft report to KW&SB for its review and comments two (2) weeks before the scheduled date of the Steering Committee. KW&SB will examine the contents of the draft reports and instruct the JST to make modifications as necessary. JST should be allowed to proceed with the final printing and binding of the reports only when those modifications have been made to the satisfaction of KW&SB.</p>	<p>Both the Interim Report and Draft Final Report that will be prepared by JST in future will be compiled, printed and bound in Japan with the prior approval of JICA. JST will then bring these reports to Karachi for presentation and discussion in a meeting with the Steering Committee (SC). In this regard, JST will be required to submit these reports to the Secretary of the Steering Committee one (1) week before the scheduled date of the SC meeting. It is advised that if KW&SB has any comments on the contents of these reports (other than those made during the SC meeting), it should submit those comments to the JST (through JICA) in writing within two (2) weeks after the SC meeting. JST will be required to reply to those comments in writing within two (2) weeks after its receipt of such comments. In the meantime, JST is advised to maintain close coordination with KW&SB's senior management staff during the course of the JICA study to exchange views/opinions on key issues and to keep them informed of its proposals and recommendations on important aspects.</p>
③	<p>Both 35% leakage and 45% Non Revenue Water (NRW) quoted in the JST's report are not based on actual measurements. JST should be required to establish leakage and NRW accurately by conducting field measurements of water losses in the major components of the existing water supply system, such as bulk water supply system (canals, conduits, water filtration plants, reservoirs), water trunk mains, distribution pipes and service mains. These field measurements can be conducted without difficulties. Is it possible for JICA to expand the present scope of the JICA Study to include such field measurements?</p>	<p>It is not possible for JICA to expand the present scope of the JICA Study to include such field measurement. In the meantime, JICA understands that the current levels of leakage (35%) and NRW (45%) presented in the JST's report are shown for reference purposes only and they do not affect the formulation of future facility development plans. Under the circumstances (and as long as KW&SB feels uncomfortable with those percentages), JST is advised to show these levels only in a broad range (eg. leakage: 25-35%; NRW: 35-45%) in the report.</p>
④	<p>JST estimates the future per capita water demand by dividing the total capacity of water sources available for use by the number of future population in the city with the preoccupation that Karachi would be able to get only 1,200 cusecs of additional water from the Indus River by 2025. However, KW&SB is of the opinion that the future per capita water demand should be determined based on the actual needs of the citizens without being dictated by the capacity of water sources, and that the future water demand should be projected using such a per capita water demand. As a result of this water demand projection, Karachi may need more than 1,200 cusecs of additional water sources by 2025. In such a case, JST should conduct a study on the exploitability of the Haleji and Hadero Lakes as the potential water sources for Karachi.</p>	<p>JST is advised to show in the report both (a) unconstrained water demands which could possibly emerge if Karachi has water sources of an unlimited capacity to meet its water demand and (b) constrained water demands which could possibly emerge if Karachi can get only 1,200 cusecs of additional water from the Indus River by 2025 as referred to in the K-IV Study and the Strategic Master Plan of CDGK. JST is also advised to formulate future facility development plans in accordance with the stage-wise development plans proposed by the K-IV Study for bringing additional 1,200 cusecs of water from the Kinjhar Lake to Karachi by 2025. With respect to the development of the Haleji and Hadero Lakes as the water sources for Karachi, KW&SB is advised to provide the JST, if any, with the reports of previous studies that evaluated the exploitability of these lakes as the potential water sources for Karachi.</p>

No.	Points Raised by KW&SB for Consideration by JICA	Confirmation by JICA
⑤	<p>In Karachi, many industries are discharging their wastewaters into the public sewerage system or natural/man-made water courses without complying with the requirements of the "National Environmental Quality Standards for Municipal and Liquid Industrial Effluents (NEQS)". Under the circumstances, KW&SB is of the opinion that industrial wastewaters should be sorted into different groups based on the types of industries, mixed with domestic sewage for dilution and treated at "Combined Effluents Treatment Plants (CETP)". This requires a study on the quality and quantity of wastewaters generated in Karachi. Is it possible for JICA to expand the present scope of the JICA Study to include such a study?</p>	<p>The present scope of the JICA Study includes sewerage but does not include the management of industrial wastewaters. It is not possible for JICA to expand the present scope of the JICA Study to include the management of industrial wastewaters. JICA understands that the existing NEQS in Pakistan requires industries to construct/operate their own wastewater treatment facilities to reduce the concentrations of pollutants in their wastewaters to certain acceptable levels before discharging them into the public sewerage system. In formulating the sewerage master plan therefore, the JST shall proceed on the basis that industrial discharges shall comply with the NEQS effluent standards in force prior to discharging into the KW&SB sewerage system. At the same time, it is recommended that KW&SB will increase the awareness of the general public, industries, legislators and the Sindh Environmental Protection Agency (SEPA) to ensure the enforcement of the NEQS.</p>
⑥	<p>JST explains that the present scope of the JICA Study does not include the formulation of a storm water drainage master plan. If it is the case, then why did JST investigate the conditions of existing storm water drainage facilities during the "Phase 1: Basic Study"? Is it possible for JICA to expand the present scope of the JICA Study to include the formulation of a storm water drainage master plan?</p>	<p>The scope of the present JICA study does not include the formulation of a storm water drainage master plan. Neither does it include any feasibility study on storm water drainage projects. These have been agreed upon between the Pakistan side and JICA in a meeting held in Karachi on 13 July 2005. "Phase 1: Basic Study" of the JICA study included the investigation of existing storm water drainage facilities only because they are partly used for collection and conveyance of sewage in Karachi. It is not possible for JICA to expand the present scope of the JICA Study to include the formulation of a storm water drainage master plan.</p>

APPENDIX - A13.9

**KW&SB's Letter
Regarding the Distribution
of Progress Report No.2
to the Chairman
and Members of the Steering Committee**

A13.9 KW&SB's Letter Regarding the Distribution of Progress Report No.2 to the Chairman and Members of the Steering Committee

**OFFICE OF THE CHIEF ENGINEER (PROJECTS)
KARACHI WATER AND SEWERAGE BOARD
Block-B, 9th Mile, Karsaz, Sharae Faisal, Karachi.**

Ref: No.: CE-P/SC/JICA/07/1151

Dated: 25th May 2007

The Chairman
Steering Committee / ACS (Dev.) GoS,
Karachi.

The City Nazim
City District Government,
Karachi.

The Secretary
Local Government, Katchi Abadies & Spatial
Development Department, GoS,
Karachi.

The District Coordination Officer
City District Government,
Karachi.

The Chief (Foreign Aid)
P&D Department, GoS,
Karachi.

The Special Secretary
P&D Department, GoS,
Karachi.

The Managing Director
Karachi Water & Sewerage Board,
Karachi.

The EDO (Master Plan)
City District Government,
Karachi.

The Chief (PP&H)
P&D Department, GoS,
Karachi.

SUB: PROGRESS REPORT NO. 2 ON MASTER PLAN FOR WATER SUPPLY AND SEWERAGE SYSTEM IN KARACHI UNDER JICA ASSISTANCE, MINUTES OF THE MEETING OF THE STEERING COMMITTEE HELD ON 28th FEB 2007, IN P & D DEPTT. GOVT. OF SINDH, QUESTIONNAIRES BY KW&SB AND ITS REPLIES BY JICA STUDY TEAM

Enclosed, please find herewith, the Progress Report No.2 (Main Report & Appendixes) submitted by the JICA Study Team in respect of Master Plan Study on Water and Sewerage System of Karachi up to 2025.

The minutes of the Steering Committee meeting held on 28th February 2007, duly approved by the Chairman Steering Committee / Additional Chief secretary (Dev.) Government of Sindh, along with the questionnaires prepared by KW&SB and the replies by JICA Study Team are also enclosed.

It is requested to submit the written comments on Progress Report Nô.2 keeping in view the issues already discussed in the minutes, questionnaires and replies.


CE (Projects), KW&SB/
Secretary Steering Committee

Encl: As above

Cc:

1. The Dy. Managing Director (Planning), KW&SB, Karachi
- ✓2. The Team Leader, JICA Study Team.