

SUMMARY REPORT OF THE TECHNICAL FOLLOW-UP TEAM FOR THE
EX-PARTICIPANTS OF THE GROUP TRAINING COURSE IN
METROLOGY AND MEASUREMENT STANDARDS BY JICA

1. GENERAL DESCRIPTION

Being dispatched by Japan International Cooperation Agency as part of its technical follow-up programmes for the returned participants of the group training courses so far operated by JICA, the team, consisting of the three members mentioned below, arrived in Pakistan on January 23 and then continued its follow-up activities for the period of 7 days.

Prior to the departure from Pakistan, the team intends to submit a summary report on the performance of its official duties for the purpose of reference by researchers, engineers and officials concerned in Pakistan.

The team members would like to avail this opportunity to express their deep appreciation for the warm hospitality and effective cooperation extended to the team members during their stay in Pakistan.

2. TEAM MEMBERS

Mr. Keiichi NAGASHIO
Senior Researcher
Standards System Laboratory
Measurement System Department
National Research Laboratory of Metrology

Ms. Hiroe SAKAI
Senior Officer
Office of International Relations
National Research Laboratory of Metrology

Mr. Toichi HASHIMOTO
Deputy Head
Training Division
Tsukuba International Centre
Japan International Cooperation Agency

3. OBJECTIVE

- (1) The dispatch of this follow-up team, in the first place, aims at reviewing, assessing and evaluating the fruit of training in Japan by obtaining information through questionnaires, discussions and interview with the ex-participants.
- (2) The second purpose of the team is to hold a seminar for introducing some new ideas in this field of technology.
- (3) The third purpose of the team is to study the needs of establishing an advanced course or graduate course for ex-participants.
- (4) The fourth purpose of the team is to refresh friendship among ex-participants themselves as well as between ex-participants and team members.
- (5) The fifth purpose of the team is to exchange information in general.

4. SCHEDULE OF THE TEAM IN PAKISTAN

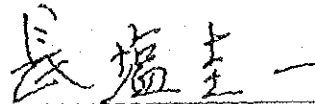
- Jan. 23 (Mon.) Arrival in Islamabad by PK-753
- 24 (Tue.) Schedule arrangement at JICA Office
Visit to Pakistan Counterpart Office for Technical Cooperation
Visit to National Physical and Standard Laboratories
(Ministry of Industries)
Interview with ex-participants
- 25 (Wed.) Islamabad to Peshawar by PK-632
Visit to Directorate of Labour Welfare
(North West Frontier Province)
- 26 (Thu.) Seminar & Interview with ex-participants
- 27 (Fri.) Peshawar to Karachi by PK-327
- 28 (Sat.) Visit to Pakistan Standard Institution &
Central Testing Laboratories (Ministry of Industries)
Interview with ex-participants
- 29 (Sun.) Rest (Report writing)
- 30 (Mon.) Departure from Karachi to Kathmandu by PK-263

5. COMMENTS

- 1) Since the Metrology and Measurement Standards Course started in 1973, ten participants have been accepted from the Islamic Republic of Pakistan. Our Follow-up Team could interview eight (8) of these ex-participants. We also could meet and exchange our views each other with those responsible persons of the organizations to which these ex-participants belong.
- 2) All the ex-participants and persons of the organization concerned have evaluated the training course in Japan under the title of "Metrology and Measurement Standards" was quite useful. This is truly a matter of pleasure for us and at the same time we would like to pay our deep respect for the hard and sincere efforts which the ex-participants have so far executed in measurement administration and verification activities.
- 3) Some requests from the Pakistani side which we received during the series of above meetings and interviews such as Refresher Training, Information Supply concerned with Metrology and Equipment Supply, etc. will be reported to JICA Headquarters as desirable to be taken up.
- 4) Measurement Administration is a field of importance which covers a broad range of fields such as Economy, Industry and Science. Yet the work itself is rather sober which requires time and perseverance. Measurement Administration must be the one which will be relied upon by both consumers and enterprises. For this purpose, those Standards which are used for verification, testing and calibration must be kept in proper traceability to the National Standards of Metrology in Pakistan which are in the custody of the National Physical and Standards Laboratory (NPSL). We also think it indispensable for Pakistan to have proper measuring instruments and standards which are required to verify the Working Standards at provincial level basing upon the Standards verified at NPSL. To get this very reliance, necessary equipment and necessary techniques for Verification, Testing or Calibration are indispensable.
It is also necessary for measurement to be conducted in more clean rooms with less dust. It is advisable to keep the Standards in more clean rooms. It is also necessary to keep proper maintenance of the Standards and the Measuring equipment without being deteriorated in their sensitivity.

5) Finally, we hope that all the ex-participants as well as all the personnel who are involved in measurement administration will continue their efforts for the development of the Metrology and Standards in the Islamic Republic of Pakistan.

February 15, 1989



Keiichi NAGASHIO

Team Leader

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EX-PARTICIPANTS OF THE GROUP TRAINING COURSE IN
METROLOGY AND MEASUREMENT STANDARDS BY JICA

1. GENERAL DESCRIPTION

Being dispatched by Japan International Cooperation Agency as part of its technical follow-up programmes for the returned participants of the group training courses so far operated by JICA, the team, consisting of the three members mentioned below, arrived in Nepal on January 30 and then continued its follow-up activities for the period of 10 days.

Prior to the departure from Nepal, the team intends to submit a summary report on the performance of its official duties for the purpose of reference by researchers, engineers and officials concerned in Nepal.

The team members would like to avail this opportunity to express their deep appreciation for the warm hospitality and effective cooperation extended to the team members during their stay in Nepal.

2. TEAM MEMBERS

Mr. Keiichi NAGASHIO
Senior Researcher
Standards System Laboratory
Measurement System Department
National Research Laboratory of Metrology

Ms. Hiroe SAKAI
Senior Officer
Office of International Relations
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- (4) The fourth purpose of the team is to refresh friendship among ex-participants themselves as well as between ex-participants and team members.
- (5) The fifth purpose of the team is to exchange information in general.

4. SCHEDULE OF THE TEAM IN NEPAL

January 30 (Mon)	Departure from Karachi by PK-263 Arrival in Kathmandu by PK-263
31 (Tue)	Schedule arrangement at JICA Office Courtesy call to Japanese Embassy Visit to Nepal Counterpart Office for Technical Cooperation(Bureau of Standards and Metrology (BMS), Ministry of Industry) Interview with ex-participants
February 01 (Wed)	Interview with ex-participants
02 (Thu)	Visit to Bureau of Standards and Metrology (BMS) Visit to Kathmandu Branch Office, (BMS) Kathmandu to Butwal by Jeep
03 (Fri)	Visit to Butwal Branch Office (BMS) Interview with ex-participants Visit to Flour Mills
04 (Sat)	Butwal to Biratnagar by Jeep
05 (Sun)	Visit to Biratnagar Branch Office (BMS) Interview with ex-participant Visit to Industries
06 (Mon)	Biratnagar to Kathmandu by RA 104
07 (Tue)	Report Writing Report to JICA Office
08 (Wed)	Departure from Kathmandu to Bangkok by TG 312

5. COMMENTS

- 1) Since the Metrology and Measurement Standards Course started in 1973, thirteen participants have been accepted from the Kingdom of Nepal. Our Follow-up Team could interview all the ex-participants and also could meet and exchange our views each other with those responsible persons of the organization to which these ex-participants belong.
- 2) All the ex-participants and persons of the organization concerned have evaluated the training course in Japan under the title of "Metrology and Measurement Standards" was quite useful. This is truly a matter of pleasure for us and at the same time we would like to pay our deep respect for the hard and sincere efforts which the ex-participants have so far executed in measurement administration and verification activities.
- 3) Some requests from the Nepalese side which we received during the series of above meetings and interviews such as Refresher Training, Information Supply concerned with Metrology and Equipment Supply, etc. will be reported to JICA Headquarters as desirable to be taken up.
- 4) Measurement Administration is a field of importance which covers a broad range of fields such as Economy, Industry and Science. Yet the work itself is rather sober which requires time and perseverance.

Measurement Administration must be the one which will be relied upon by both consumers and enterprises.

To get this very reliance, necessary equipment and necessary techniques for Verification, Testing or Calibration are indispensable.

It is also necessary for measurement to be conducted in more clean rooms with less dust.

It is advisable to keep the Standards in more clean rooms. It is also necessary to keep proper maintenance of the Standards and the Measuring equipment without being deteriorated in their sensitivity.

- 5) Finally, we hope that all the ex-participants as well as all the personnel who are involved in measurement administration will continue their efforts for the development of the Metrology and Standards in the Kingdom of Nepal.

February 7, 1989

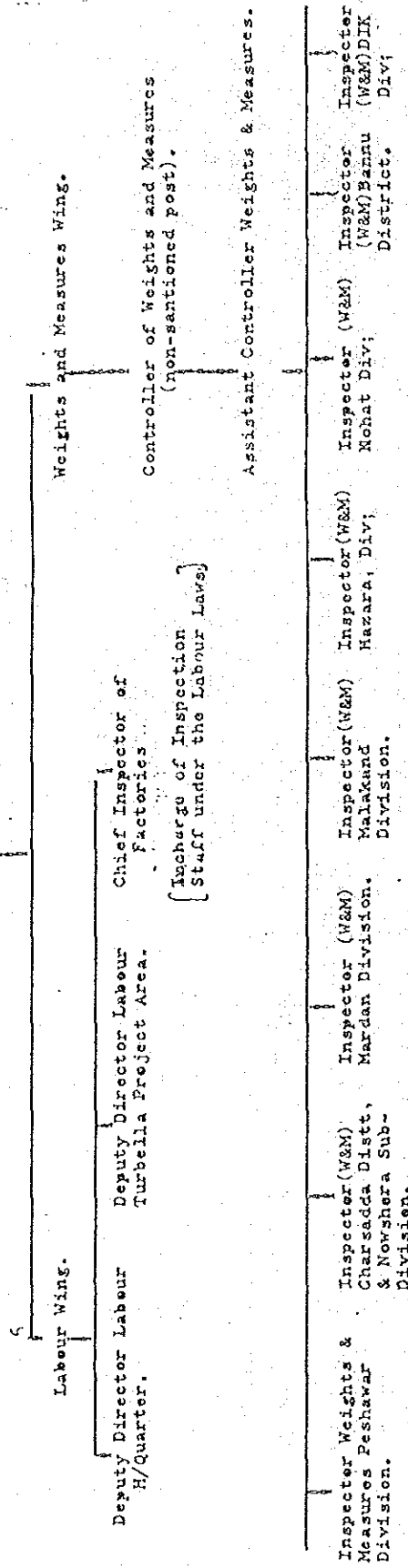
長 塩 圭 一

Keiichi NAGASHIO
Team Leader

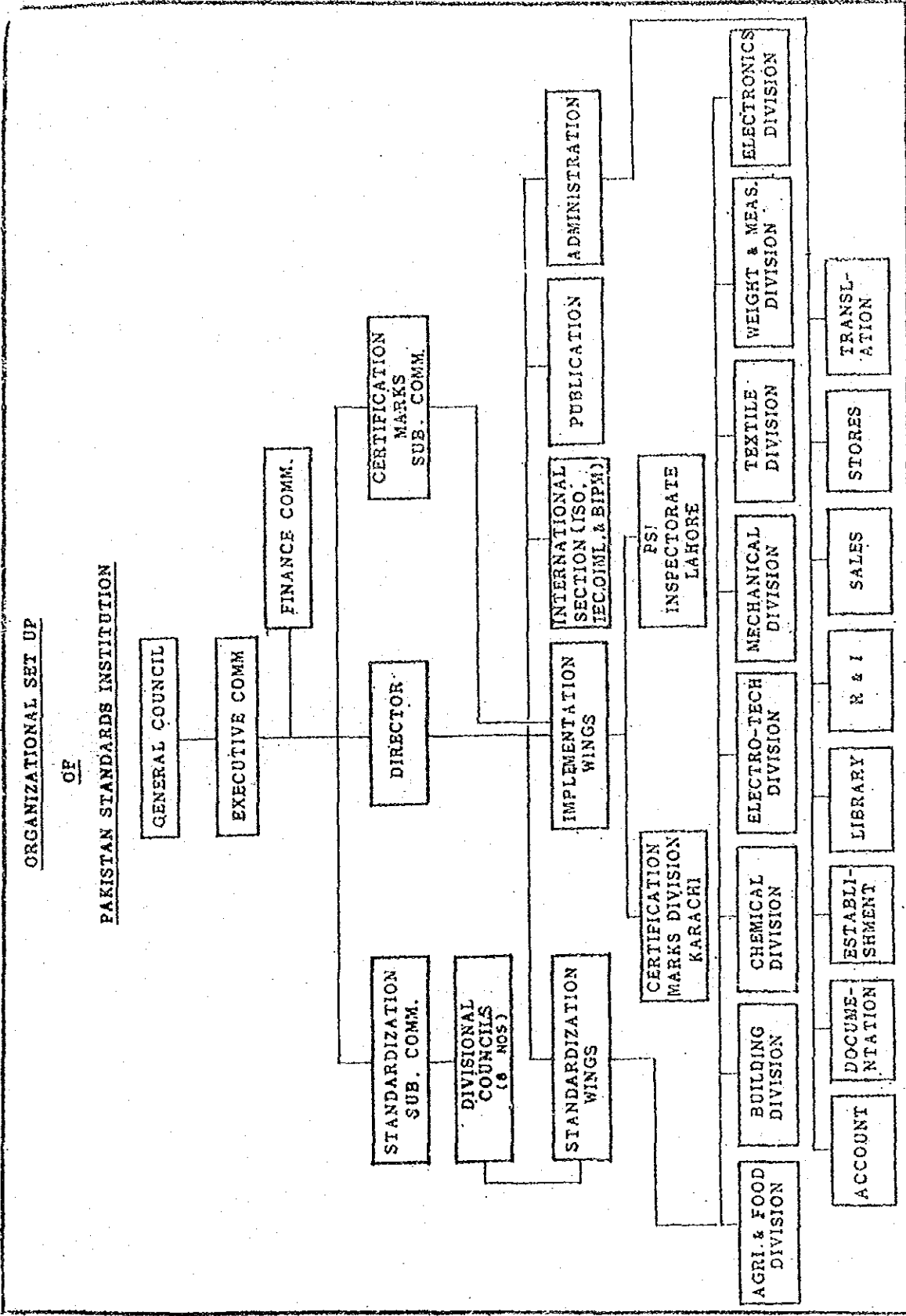
PRESENT ORGANISATION SET UP.

ANNEX-B.

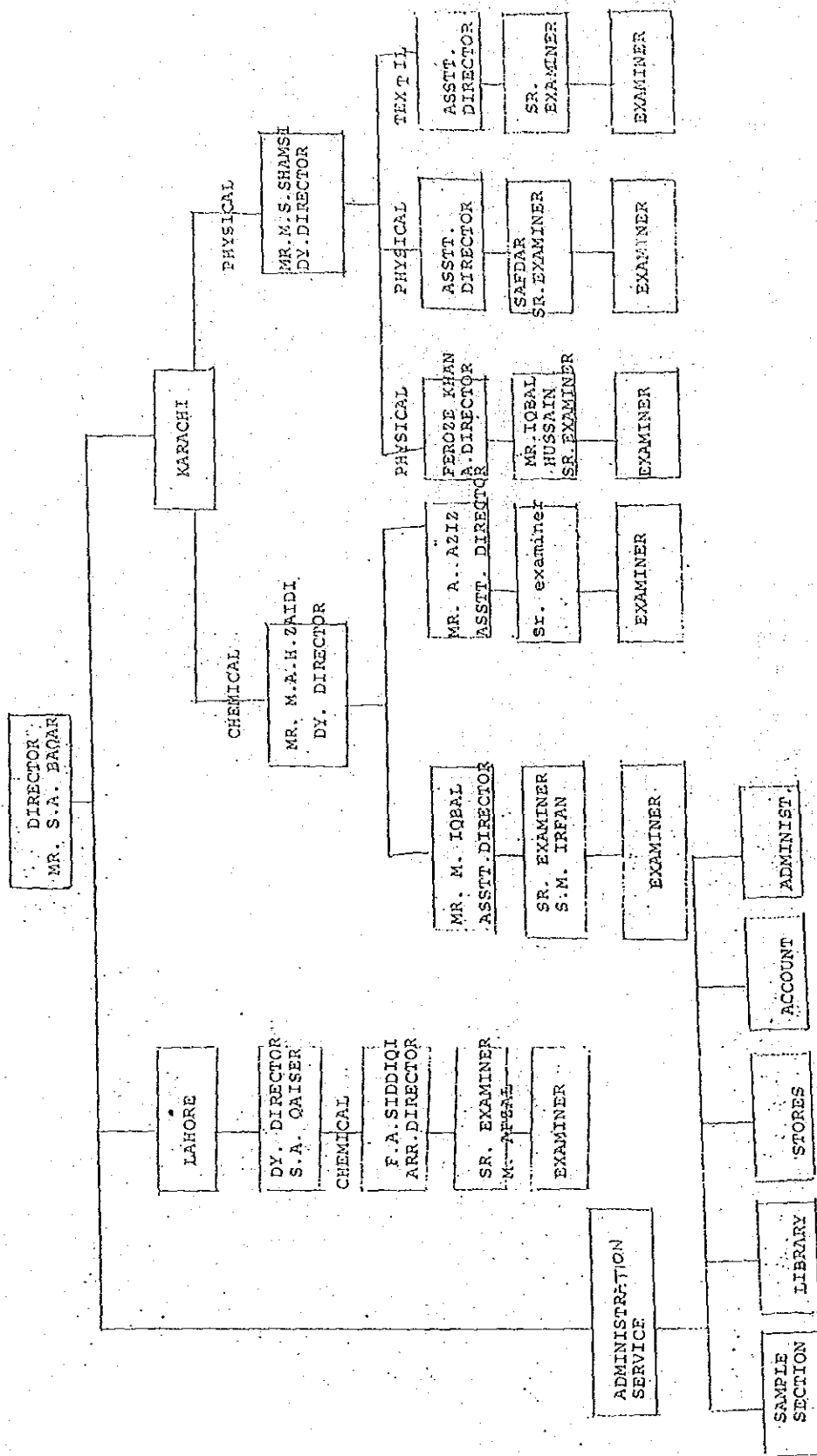
Director Labour Welfare, NWFP.



Note:- Since Labour Wing does not relate to the subject of Weights and Measures, detail organisation of the Labour Wing is not given here.



CURRENT ORGANISATION CHART FOR CENTRAL TESTING LABORATORIES, (KARACHI & LAHORE)



付5. 帰国研修員名簿

1) パキスタン

Year	Name	Occupation	Education	Address
1974	Mr. Jameel Ansari	Education Officer		H: O: Ministry of Education, Islamabad
1976	Mr. Abdul Rashid Khan	Labour Officer Directorate of Labour Welfare, North West Frontier Province (N.W.F.P.) Peshawar	M.A. (Economics)	H: Village Panjala Dist., Dera Ismail Khan, N.W.F.F. O: Directorate of Labour Welfare Government of N.W.F.P.
1978	Mr. Mohammad Asifkhan	Inspector, Weights and Measures M.A. Directorate of Labour Welfare N.W.P., Peshawar		H: Mohallah Sangerh Near Ladies Hospital Kohat City O: Directorate of Labour Welfare, Kohat City N.W.F.P. Mohallah Sangerh, Near Ladies Hospital Kohat City,
1978	Mr. Karim Gul Khan	Inspector, Weight and Measures Directorate of Labour Welfare N.W.F.P. (Peshawar)	B.Sc (Physics, Mathematics)	H: No. Habib Colony Major Abdul Jalil Shaheed Road Bhana Mari, Peshawar, N.W.F.P O: Directorate of Labour Welfare N.W.F.P.
1980	Mr. Inayat Ullah Khan	Assistant Controller, Weights and Measure Directorate of Labour Welfare N.W.F.P., (Peshawar)	M. Sc. (Chemistry)	H: Village Shahi Abad. P.O. Flathiyah Teh, Tahkat-Bhai, Mardan Distric N.W.F.P. O: Directorate of Labour Wdfare N.W.F.P.
1981	Mr. Mukhtar Wahid	Inspector, Weights and Measures Directorate of Labour Welfare N.W.F.P. (Peshawar)	M. Sc. (Physics)	H: Village & P.O. Dheri Julagram Malakand Agency, N.W.F.P. O: Directorate of Labour Welfare 60-C Defence Officers Colony Khyber Road Peshawar Catt, N.W.F.P.
1989	Mr. Zaitullah Khan	Inspector, weights and Measures Directorate of Labour Welfare N.W.F.P. (Peshawar)	M. Sc. (Physics)	H: Village Dak Besud P.O. Pabbi (R.S.) Teshil Nowshera District, Peshowar O: Dept of Labour Directorde of Labour wefare N.W.F.P
1985	Mr. Abdul Hassab Qureshi	Assistant Director Pakistan Standards Institution (Karachi)		H: 1-E-4/5, Nazimabad Karachi O: Pakistan Standards Institution 39-Garden Road, Saddan Karachi
1986	Mr. Mohammed Iqbal	Assistant Director (Chemical) Central Testing Laboratories Ministry of Industries	M. Sc. (Chemistry)	H: D-173 Pakistan Quarters Near Zoological Garden, Karach O: Central Testing Laboratories Ministry of Industries Blok No. 77 Pakistan Secretariate Saddan, Karachi

2) नेपाल

Year	Name	Occupation	Education	Address
1974	Mr. Tika Prasad Uprety	Chief Inspector Nepal Bureau of Standards and Metrology (NBSM) Weights and Measures Office (Kathmandu), Ministry of Industries, HMG	B.Sc.	H: Sanepa, Sanchal, Ward No. 2, Lalitpur O: Nepal Bureau of Standards and Metrology Balaju, Kathmandu
1975	Mr. Tirth Vinode Upadhyaya	Senior Inspector NBSM Weights and Measures Office (Kathmandu), HMG	B. Sc.	H: Bhalu Wahi Village, Siraha District Sagarmata zone O: NBSM Balaju, Kathmandu
1976	Mr. GunaRaj Bhatta	Inspector NBSM, Weights and Measures Office (Kathmandu), HMG	M.A., B.Sc.	H: Naikap Purano Bhajiang Villago, Panchayat Ward No. 7 Puddol, Kathmandu O: NBSM Balaju, Kathmandu
1977	Mr. Padma Bahadur Shakya	Inspector NBSM, Weights and Measures Office (Nepalganj), HMG	M.A., B.Sc.	H: 4/9 10 Lagan Tole, Kathmandu O: NBSM Nepalganj
1978	Mr. Suresh Kumar Upadhydy	Inspector NBSM Weights and Measures Office (Kathmandu), HMG	M.Sc. (Physics)	H: Nayabasti Reshamkothi, Birgani O: NBSM Balaju, Kathmandu
1979	Mr. Umesh Chandur Las Das	Inspector NBSM Weights and Measures Office (Birganj), HMG	M.Sc. (Physics)	H: O: NBSM, Birganj
1981	Mr. Hira Bahadur Nakarmi	Inspector NBSM, Weights and Measures Office (Kathmandu) HMG	M.Sc. (Mathematics)	H: 260 Pyukha Tole, Kathmandu O: NBSM Balaju, Kathmandu
1982	Mr. Narayan Takur	Inspector NBSM, Weights and Measures Office (Butwal) HMG	M.Sc. (Chemistry)	H: Singyaht Madan Ward No. 3 Dhanusha, Janakpur zone NBSM, Butwal Lumbini zone
1983	Mr. Govinda Meher Shrestha	Inspector NBSM, Weights and Measures Office (Kathmandu), HMG	M.Sc.	H: Sonkhu Pukhulachmi Panchayat Ward No. 4 Kothmandu O: NBSM, Kathmandu Branch Office Bijuli Bazar, Banewar, Kathmandu
1984	Mr. Padma Narayan Choudhary	Inspector NBBM Weights and Measures Office (Birganj) HMG	M.Sc. (Mathematics)	H: Lahan Nagar Panchayat ward No. 1, Siraha District Sagarmatha Zone O: NBSM Sundhara, Kathmandu
1985	Mr. Bidur Govind Amatya	Inspector, NBSM, Weights and Measures Office HMG	M.S. (Mathematics)	H: Chhayabahal Tole Lalitpur O: NBSM Sundhara, Kathmandu

Year	Name	Occupation	Education	Address
1986	Mr. Batuk Nath Karna	Inspector, NBSM, Butwal Weights and Measures Office (Butwal) HMG	B.S. (Phy. Chemistry Mathematics)	H: O: BNSM, Butwal Lumbini
1987	Mr. Sita Ram Joshi	Inspector NBSM Weights and Measures Office (Kathmandu) HMG		H: 16/30 Saubla Tole Lalitpur O: NBSM, Kathmandu

JICA