

## 2. 面談者リスト

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#### <NISTE>

Mr. Muhammad Rqfique Tahir	Joint Secretary (EDU/ESTB.), CADD / Director General, NISTE
Mr. Muhammad Salman Khan	Deputy Director General
Ms. Amina Nadir	Director R&E / Focal Person
Mr. Muhammad Kamran	Training Officer

#### <FDE>

Prof. S. M. Waqar Ashraf	Director (Training)
Mr. Muhammad Luqman	Deputy Director
Mr. Shuja Ahmed	Deputy Director (Training)
Ms. Amna Tariq	Training Coordinator
Salrna Hussan	Area Education Offiver, Islamabad

#### <Curriculum Wing, CADD>

Dr. Tariq Mahmood	Deputy Educational Advisor, Curriculum Wing
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#### <Punjab>

Mr. Atta Dwestgeer	Subject Specialist (Chemistry), Punjab Textbook Board
Ms. Aneela Hasan	Course Coordinator III, Directorate of Staff Development (DSD)

#### <Sindh>

Mr. Mushtaque Ahmed Shahani	Chairman, Sindh Textbook Board
Mr. Zain ul Abidin	Higher Secondary Teacher, Government High School, Hyderabad

#### <KPK>

Mr. Atta ullah	Director (Training), Directorate of Curriculum and Teacher Education, Abbotabad
Mr. Umar Farooq	Secretary, Textbook Board, Peshawar, KPK

#### <Balochistan>


Mr. Arif Shah	Deputy Director, Bureau of Curriculum and Extension Center
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#### <Islamabad Model School for Girls, G-6/1-3>

Ghazala Bashil Khan	Principal
Rubina Rahat	Deputy Headmistress, Master Trainer
Aliya Tabassam	Teacher



3. シンド州ハイデラバード県で実施された教員研修報告書


	OFFICE OF THE DISTRICT OFFICER EDUCATION (ACADEMIC & TRAINING) HYDERABAD NO. DOE (A&T)/ 186 / 2010-11 HYD DATED: 24/12/2011
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To

Mr. Shimboku Miyakawa  
Deputy Team Leader  
Project for Promotion of SCIB Science Education in Pakistan

Subject:- **Report of 13 day SCIB Science Training in Hyderabad.**

With regards, it is to inform you that the district Hyderabad had successfully arranged 13 day training for the promotion of SCIB Science teaching in Hyderabad from June 30 to July 12, 2011. The report of that training is attached herewith.

  
24/12/11

(Ms. Farasat Sultana Shah)

District Officer Education  
(Acad & Trg) Hyderabad

**THIRTEEN DAY PROFESSIONAL DEVELOPMENT  
TRAINING**

FROM 30<sup>TH</sup> JUNE TO 11<sup>TH</sup> JULY 2011

**AT GOVERNMENT TEACHERS RESOURCE CENTER**

**GOVERNMENT NAVAL RAI HIRANAND HIGH SCHOOL HYDERABAD**



**PROMOTION OF STUDENT-CENTERED ENQUIRY-BASED  
SCIENCE TEACHING**

**AN APPROACH FOR THE IMPLEMENTATION OF JAPAN INTERNATIONAL  
COOPERATION AGENCY SCIB PROJECT ACTIVITIES IN DISRICT HYDERABAD**

**ORGANIZED BY**

**DISTRICT OFFICER EDUCATION (A&T)  
HYDERABAD**

## **1. Introduction:-**

### **A) The Educational back ground of Hyderabad.**

Before independence of Pakistan, the education opportunities were limited for Muslims of Hyderabad. Noor Mohammad High School was the only one high school for Muslim students could study. It was founded by famous Sindhi educationist Noor Mohammad. All other schools admitted only Hindu students.

As a gateway between the rural Sindh and the urban Sindh, Hyderabad seventh biggest city of Pakistan and second biggest city of Sindh attracts students from the lesser developed regions of Sindh. The city has a large number of schools, colleges and universities. The city now has better education facilities and new universities, colleges and schools. At one time a hub of economic, educational and cultural activities, a breeding ground of academicians, philanthropists, writers, lawyers, politicians, journalists, actors and actresses, Hyderabad also had its industrialists, trade unionists, political activists, bureaucrats, bankers and diplomats who made a significant contribution to Pakistani society. But this gracious city now seems to be slowly dying, although it still produces over a couple of dozen major and minor newspapers in both Sindhi and Urdu.

### **B) Universities and colleges of District Hyderabad**

The University of Sindh is the dominant player in educational reforms since its inception in 1947. The University of Sindh, is the second oldest university of the country. It has 32 colleges affiliated with it. Main campus of the university is located outside Hyderabad city in Jamshoro town Jamshoro district along with other universities like the Mehran University of Engineering and Technology and Liaquat University of Medical and Health Sciences. Sindh Agriculture University in Tando Jam is still in Hyderabad district and focus primarily on agriculture and horticulture. Other universities in the private sector in Hyderabad city include University of East and Isra University.

Most of the colleges are affiliated with the universities above but some enjoy repute built of time like the oldest being the Government Degree College now renamed Government College of Technology, Government Poly-technical college. Intermediate level colleges in Hyderabad city includes: Muslim Science Collage in Tower Market area Govt Nazareth College Government Zubaida College Government College Kari Mori Foundation public school Hyderabad Public School Superior College of Science Hyderabad

## 2. JICA in Hyderabad.

There is a very big number of Science teachers in the region. Thousands of teachers are teaching at primary and secondary stages. The teachers are used to teach in traditional method. They have great need of training in different subjects. Mr. Mushtaqu Ali Shahani, the focal person JICA Sindh and Mr. Ghula Asghar Memon have worked with the majority of the teachers of this region when they were working in PITE. They both have great expectations from the teachers of this region. As JICA planned training for the science teachers the above mentioned persons had more expectations from the teachers of district Hyderabad. Now with their approval 18 teachers had been trained from this district. The list of the trained MTTs of Hyderabad is as under,

S.No.	Name of MTTs
1.	Mr. Zainul Abidin Laghari
2.	Mr. Iqbal Hussain Memon
3.	Ms. Farkhanda Nasreen
4.	Mr. Nazeer Memon
5.	Ms. Lubna Abro
6.	Mr. Javaid Subohpoto
7.	Mr. Abdul Hameed Khoso
8.	Ms. Shahnaz
9.	Ms. Shazia Gaho
10.	Ms. Salma Bhatti
11.	Ms. Fozia Khokhar
12.	Ms. Rukhsana Azam
13.	Mr. Javaid Iqbal Yousufzai
14.	Mr. Sajid Yousufzai
15.	Mr. Saifullah Khaskheli
16.	Mr. Muhammad Nawaz Memon
17.	Mr. Syed Junaid Ahmed
18.	Mr. Imdad Ali Gopang

Madam Farasat Sulatana Shah, a well known dedicated and sophisticated lady. She is district officer education. She welcomes this opportunity with great pleasure. She arranged several meetings at different levels. She tried to get approval of funds for further trainings from district government but when she realized it seems impossible to get funds from any of the government or non government agency she finally decided to arrange the said training on voluntary bases. She called a meeting of the MTTs and appointed Mr. Zain ul Abidin Laghari as the coordinator of that training. Mr. Zain ul Abidin developed a proposal for the training. He discussed that proposal with Mentors and officials of NISTE when they visited Hyderabad.

### **3. Curriculum and SCIB.**

The new General Science Curriculum for grades 4<sup>th</sup>\_8<sup>th</sup> has been scheduled to be effect from 2010. It is one of the significant measures to improve the quality of science education. 'Student-centered and inquiry –based (SCIB) learning is key concept.

However, the system of for Teachers' in-serves training in the country or the province is very weak and many of the teachers do not get chances to be equipped for the new way of teaching based on the new curriculum. The reality of science classes such as 'knowledge –based and Teacher-centered learning', 'Lack of teachers' understanding of SCIB learning', 'insufficient materials for students' inquiring activities' should be changed for their better learning.

Under the circumstances mentioned above, the Ministry of Education, Government of Pakistan, requested JICA for a technical cooperation project aiming at establishing SCIB training model that ensure teachers to deliver SCIB science lessons. It is titled as 'Project for promotion of Student-centered and Inquiry-based Science Education'.

### **4. Objectives of the Training.**

1. To implement the JICA Training course learning in District Hyderabad through the Trained Human recourse(Twelve trained 4 female and 8 male Master Trainers) of JICA
2. To disseminate the JICA SCIB learning to the Science teachers of District Hyderabad.
3. To enhance the science content and pedagogy/Teaching Method of Science.
4. To Develop Lesson planning/Teaching plan based in their own school context
5. To develop low cost no cost material for the subject of science.
6. To build the capacity of the teachers regarding learning and learning theories.
7. To develop the class room management skills of teachers.
8. To give awareness about national curriculum of Pakistan.
9. To give an orientation about National education policy 2009.
10. To develop the understanding about assessment and evaluation and its kinds.
11. To develop and present action plan for SCIB teaching for their schools.

## 5. Trainees of the Training

Madam Farasat Sulatana Shah DOE (A&T) selected following science teachers for this training. The trainees were selected from all of the stages of schooling.

<b>S.No</b>	<b>Name of the trainee</b>
1.	Mr. Harchand
2.	Ms Uzma Shaikh
3.	Ms Tajwar Sultana
4.	Ms Shereen Khokhar
5.	Ms Saima
6.	Mr Akhtar Bhatti
7.	Mr. Muhammad Hussain Shah
8.	Mr. Akram Qureshi
9.	Mr. Muhammad Jumman Mirbahar
10.	Ms. Syeda Gohar
11.	Ms. Farah Naz Khan
12.	Ms Uzma Naz
13.	Mr. Ismail Laghari
14.	Ms. Shaista
15.	Mr. Ghulam Mustafa Khatti
16.	Mr. Manzoor Laghari
17.	Ms. Rizwana Zardari
18.	Mr. Munnawar Lal
19.	Ms. Cathrine Qandeel
20.	Mr. Aizazullah ( Hoonda Ram)
21.	Mr. shafiq khan
22.	Mr. Muhammad Arshad Malik
23.	Ms. Farkhanda Naz



## 6. Success :-

1. The training was scheduled in summer vacations and it seemed to be very difficult to manage it, but it became very successful when all nominated participants attended it regularly and punctually.
2. The Participants attended this training by paying all expenses at their own.
3. Master trainers performed their responsibility with great enthusiasm and dedication.
4. The District officer Education visited venue regularly which proved it that she gave it high priority.
5. The district officer education managed refreshment for all participants from her pocket.
6. The DOE (A&T) successfully got support of STEP project of AKU-IED. The District coordinator of that project Mr. Ghulam Essa Khan was with the team of organizers throughout the period of training.
7. The venue was appropriate for the training as it was well equipped and it has the facility of multimedia projector, over head projector and some other facilities as well it provides.
8. The necessary supporting material was also provided to the participants by district officer education (A&T).
9. The moral of the participants was very high as they took part in the training seriously.
10. Some participants arranged lunch for remaining participants from their own cost.
11. The quality and the delivery of the main theme was very high so that all of the participants admitted its worth and became punctual in the training.
12. Some sessions of the MTTs were of very high quality especially the session of Mr. Nazeer Memon, Ms Farkhanda and Mr. Zain ul Abidin.
13. Some participants came to attend from distant areas such as Mr. Muhammad Hussain Shah was coming almost from 50 kms away, Mr. Muhammad Jumman was coming from 20 kms away, Mr. Harchand was coming from 25 km away and Mr. Hoonda Ram( Aizazullah) was coming from 20 kms away from the venue.
14. The sessions were divided in group discussions, pair work and whole class discussions. The discussions were very healthy and educational.
15. The session of low cost activities was very interesting and successful. Participants showed their interest in that session. Ms. Farkhanda and Mr. Javaid Iqbal worked hard with participants to develop lots of activities in the class.
16. The Session of Mr. Nazeer Memon "Class room management in the light of SCIB science teaching" was full of knowledge for the participants. They participated in activity with their high attention.
17. Then session of Mr. Zainul Abidin about What is SCIB and Importance of SCIB? was the basic and most important session of the workshop. He delivered that session with good command so that participants did not feel any confusion throughout the workshop.
18. Mr. Iqbal and Zainul Abidin did marathon job for the development of the SCIB lesson plan with the help of the participants. both of them performed this job successfully.

19. The sessions of the lesson delivery on the part of the participants were very important. Both sessions showed that the concept of SCIB teaching has been conveyed very well. The presenters Mr. Harchand, Ms. Saima, Ms. Gohar, Ms. Uzma, Ms Rizwana Zardari and Muhammad Jumman did very well.
20. The motive behind this workshop was very high. The participants promised that they will promote this approach in their schools.

## **7. Challenges**

1. Training without any economical support is a big challenge and arrangement of resources is almost impossible.
2. The load shading during the training hours disturbed the sequence the training and was have no generator was provided.
3. The political condition of the province became worse during that period of time which created lots of problems for participants but they showed their attachment with this training and came to join it even on the day of strike.
4. The training was arranged on voluntarily basis as there was no facility of supporting staff. All the necessities of the life during the training were been arranged by the participants them self.
5. The room for the training was a little congested for group activities so that many problems occurred during group activities.
6. The concept of SCIB was very new for newly appointed teachers so that they felt difficulty to understand the concept.
7. Most of the teachers are unaware of the curriculum. They have not seen curriculum document in their life. It became difficult for resource persons to make them aware of the bases of curriculum.
8. Some new teachers were having no experience of presentation so that is why they took time in proper presentation of lesson planning.
9. There were some administrative problems in controlling sessions during group activities as some of the participants were experienced and they were dominating over all activity.

## **8. Suggestions:-**

1. The training showed that the activity of promotion SCIB teaching approach was very successful and it can be extended for more teachers. The participants showed their keen interest in this activity and it was their will to arrange more trainings of same type for other teachers.
2. This type of training can be arrange more effective, if the monetary facilities will be provided to the training organizers especially teaching material and refreshment cost etc.

## 9. SCHEDULE OF TRAINING

### DAY ONE

Session	Time	Topic	Resource Person
1	9.00 to 10.00 am	Registration/Opening ceremony/ Briefing about the training	Mr. Zainul Abidin
2	10.00 to 11 am	Curriculum document 2006 and the science subject in curriculum document	Mr. Iqbal Memon
11.00 to 11.30am		Break	
3	11.30 to 12.30 pm	continue	
4	12.30 to 1.30 pm	What is SCIB and Importance of SCIB?	Mr. Zainul Abidin

### Day 2

Session	Time	Topic	Resource Person
1	9.00 to 10.00 am	SCIB and Learning and learning theories	Mr. Ghulam Essa Khan
2	10.00 to 11 am	continue	
11.00 to 11.30am		Break	
3	11.30 to 12.30 pm	Lesson Planning and How to use teaching plan?	Mr. Zainul Abidin
4	12.30 to 1.30 pm	Continue	

### Day 3

Session	Time	Topic	Resource Person
1	9.00 to 10.00 am	What is Lesson Study? and its importance	Mr. Javaid Subohpoto
2	10.00 to 11 am	continue	
11.00 to 11.30am		Break	
3	11.30 to 12.30 pm	What is assessment and evaluation? In the light of SCIB?	Mr. Zainul Abidin
4	12.30 to 1.30 pm	continue	

### Day 4

Session	Time	Topic	Resource Person
1	9.00 to 10.00 am	Class room management in the light of SCIB science teaching	Mr. Nazeer Memon Ms. Lubna Abro
2	10.00 to 11 am	Matter	Mr. Zainul Abidin
11.00 to 11.30am		Break	
3	11.30 to 12.30 pm	Ecosystems and environmental pollution	Ms. Shahnaz
4	12.30 to 1.30 pm	Food and Health	Mr. Zainul Abidin

**Day 5**

Session	Time	Topic	Resource Person
1	9.00 to 10.00 am	Electricity and Magnetism	Mr. A Hameed Khoso
2	10.00 to 11 am	Continue	
11.00 to 11.30am		Break	
3	11.30 to 12.30 pm	Introduction/Discussion on SCIB Lesson Plan	Mr. Zain ul Abidin
4	12.30 to 1.30 pm	Continue	

**Day 6**

Session	Time	Topic	Resource Person
1	9.00 to 10.00 am	Making of teaching Learning Material	Ms.Farkhanda Nasreen
2	10.00 to 11 am		Mr. Javed Subhpoto
11.00 to 11.30am		Break	
3	11.30 to 12.30 pm	Making of teaching Learning Material	Ms.Farkhanda Nasreen
4	12.30 to 1.30 pm		Mr. Javed Subhpoto

**Day 7**

Session	Time	Topic	Resource Person
1	9.00 to 10.00 am	Preparation of Lesson Plan In groups	Mr.ZainulAbidin/ Farkhanda Nasren
2	10.00 to 11 am	Discussion for the improvement of lesson plan	
11.00 to 11.30am		Break	
3	11.30 to 12.30 pm	Feed back on Presentation of Group A	Mr.ZainulAbidin/ Farkhanda Nasren
4	12.30 to 1.30 pm	Presentation of Improved lesson plan	

**Day 8**

Session	Time	Topic	Resource Person
1	9.00 to 10.00 am	Presentation of Lesson Group A	Farkhanda Nasreen
2	10.00 to 11 am	Discussion for the improvement of lesson plan	
11.00 to 11.30am		Break	
3	11.30 to 12.30 pm	Feed back on Presentation of Group A	Farkhanda Nasreen
4	12.30 to 1.30 pm	Presentation of Improved lesson plan	

**Day 9**

Session	Time	Topic	Topic
1	9.00 to 10.00 am	Presentation of Lesson Group B	Mr. Zainul Abidin/ Mr. Iqbal memon
2	10.00 to 11 am	Discussion for the improvement of lesson plan Continue	
11.00 to 11.30am		Break	
3	11.30 to 12.30 pm	Feed back on Presentation of Group B	Mr. Zainul Abidin/ Mr. Iqbal memon
4	12.30 to 1.30 pm	Presentation of Improved lesson plan	

**Day 10**

Session	Time	Topic	Topic
1	9.00 to 10.00 am	Presentation of Lesson Group C	Mr. Zainul Abidin
2	10.00 to 11 am	Discussion for the improvement of lesson plan Continue	
11.00 to 11.30am		Break	
3	11.30 to 12.30 pm	Feed back on Presentation of Group C	Mr.Zainul Abidin
4	12.30 to 1.30 pm	Presentation of Improved lesson plan	

**Day 11**

Session	Time	Topic	Resource Person
1	9.00 to 10.00 am	Presentation of Lesson Group D	Ms.Shahnaz
2	10.00 to 11 am	Discussion for the improvement of lesson plan	
11.00 to 11.30am		Break	
3	11.30 to 12.30 pm	Feed back on Presentation of Group D	Ms. Shahnaz
4	12.30 to 1.30 pm	Presentation of Improved lesson plan	

**Day 12**

Session	Time	Topic	Resource Person
1	9.00 to 10.00 am	Presentation of Lesson Group E	Mr. javaid Sub/ Mr. Nazeer
2	10.00 to 11 am	Discussion for the improvement of lesson plan	
11.00 to 11.30am		Break	
3	11.30 to 12.30 pm	Feed back on Presentation of Group E	Mr. javaid Sub/ Mr. Nazeer
4	12.30 to 1.30 pm	Presentation of Improved lesson plan	

