

ANNUAL REPORT

2009-2010

The Year in Review



BANSDOC

Bangladesh National Scientific and Technical Documentation Centre

Ministry of Science and Information & Communication Technology

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Introduction

Bangladesh National Scientific and Technical Documentation Centre (BANSDOC) is the national apex body in the field of scientific and technological library, information and documentation services in Bangladesh. It has already passed 47 glorious years for the benefit of scientific and technological research and experimental development and upholds the socio-economic development of Bangladesh. According to mandatory role and responsibility BANSDOC is dealing with library, documentation and information services, products and systems in the field of science and technology & information and communication technology.

Background

PANSDOC (Pakistan National Scientific and Technical Documentation Centre) was established in 1957 by the Government of Pakistan with the technical assistance from UNESCO.

In 1963 a regional office of PANSDOC was established in the then East Regional Laboratories of PCSIR in Dhaka. It was functioning in order to help researchers, academicians, industrialists, technicians and in general, all those who were active in the field of science and technology. After liberation PANSDOC has established the regional office in Bangladesh named as BANSDOC .

BANSDOC Act 2010

The BANSDOC Act 2010 has passed from the Bangladesh National Parliament on 18th March 2010.

Aims of BANSDOC

- ★ To procure, process, preserve, edit and disseminate information in all fields of scientific research and experimental development in the area of natural science, agriculture, medical science, engineering, industry and technology;
- ★ To provide information as per needs of researchers working in research organizations, academic institutions, nationalized industries or any other sectors and
- ★ To manage acknowledging information for researcher, policy maker, planner and manager.

Functions of BANSDOC

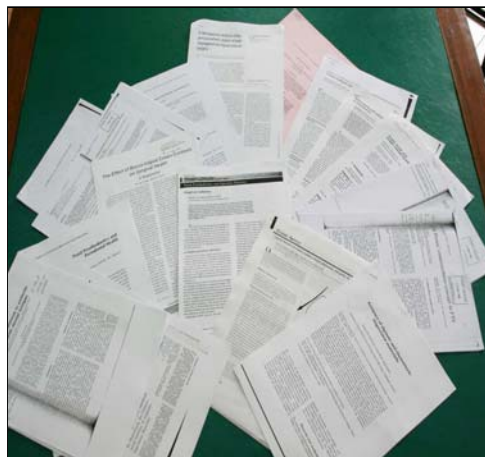
- To provide bibliographic service
- To collect and disseminate the related duplicate copy of publication
- To establish scientific contact with scientists and researchers
- To impart translation service
- To execute photo-reprographic service.
- To provide computer and internet service
- To deal cooperation with SAARC Documentation services
- To provide Photostat service
- To provide publication service
- To arrange exhibition, conference, seminar, workshop & training and to award the scholar students for assisting human resource development and to take action for reducing the poverty

- To supply web based research information
- To cooperate research and activities among the scientists and professionals and excellence of patronization
- To provide digital library service
- To exchange information at national and international level
- To arrange internship for library and information management
- To arrange and attend of book exhibition or book fair at national level
- To drive scientific and technological research and development to provide consultancy service in the same field of interest.
- To accomplish a deed of contract with any other foreign organization, prior permission of the Govt. to achieve the aims of BANSDOC.
- To execute other activities assigned by the Govt.

Resources and Services

(a) Document Procurement and Delivery Service

Access to information holds a very important key to socio-economic development of a country. This information explosion over the world during last few years has been amazing. Millions of journal/periodical articles are being published every year in various fields of science and technology. Access to these types of information in right time is of paramount importance to the progress of individual institutions and societies as well. Libraries being the storehouses of human knowledge and information cater to the requirements of different branches of knowledge. That's why library, information and documentation centres disseminate information and knowledge in different forms of services.



The cost of information resources has been rising tremendously with the increase of volume of information calling for heavy investment in the libraries, information and documentation centres of the country. Consequently the buying capacity of the information providing institutions have been lowering resulting in limited access to information resources. So there is an increased demand for information, which are not available in one's own institution.

BANSDOC has been providing document copy delivery service with procuring those from similar local and foreign sources. Firstly, it does so from its own library collection.

If the user's requested document is not available in the BANSDOC Library then it procures from some international information sources. BANSDOC has co-operation programmes of activities with a number of renowned international libraries, information and documentation centres over the world and procures documents from them like: National Library of Australia (NLA), The British Library and Document Supply Centre (BLDSC), National Institute of Science Communication and Information Resources (NISCAIR) and European Patent Office (EPO) on payment basis. The payment to the foreign document supplier is made in the form of UNESCO Dollar Coupons.

BANSDOC delivers research papers/articles to its users mainly by procurement through placing orders to its counterpart different international libraries, information and documentation centres.

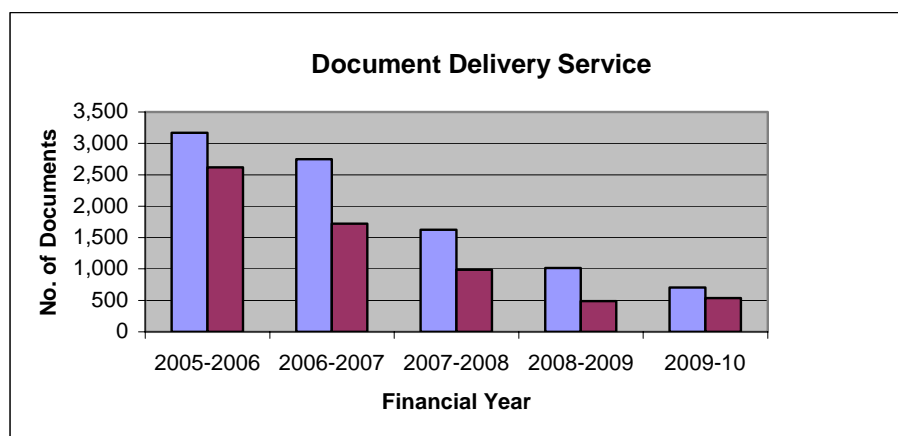
The Document Delivery Services offered by BANSDOC during the year 2009-10 is given below in tabular form:

Sl. No.	Organizations Placing Requests	Requests Received from Users 2009-10	Documents Delivery to Users 2009-10
1.	Bangabandhu Sheikh Mujib Medical University (BSMMU)	213	196
2.	Medical Colleges and Institutes	217	139
3.	Rajshahi University	74	61
4.	Bangladesh Council of Scientific and Industrial Research (BCSIR)	18	10
5.	Bangladesh Agricultural University (BAU)	48	22
6.	Bangladesh University of Engineering and Technology (BUET)	7	6
7.	Other Research Institutes	126	103
	Total	703	537

During the period 2009-10, BANSDOC has received 703 requests of foreign documents and delivered 537 documents.

Document Delivery Services of BANSDOC during last five years:

Description	2005-2006	2006-2007	2007-2008	2008-2009	2009-10
Request Received	3,167	2,746	1,627	1,018	703
Document Delivery	2,620	1,722	988	487	537
No. of Pages	28,653	14,044	11,410	4,329	4,201



BANSDOC has procured and disseminated 4,201 pages of photocopies of foreign journal articles as per demand of 169 scientists /researchers during the period 2009-10.

Now demand of foreign document is receiving through email (docu@bansdoc.gov.bd & bansdoc@gmail.com). Any researcher can send his demand through email without coming in BANSDOC personally.

(b) S&T Information Service

- To deliver science and technology related bibliographical references among the scientists/researchers as per their need.
- To offer scientific contact to the scientists/researchers in the similar field of interest.

The scientists are interested to know about the research works which has already been done in their fields of interest before starting their research works. This helps them to avoid duplication of research works and saving their costs, energy and time. Bibliographies are also prepared by searching CD and DVD form of databases which are available in this Division. Following international science and technology information based databases on CD and DVD forms are used for this purpose:

✧ **Biological Abstracts on:**

- | | |
|---|---------------------------------------|
| - Agriculture | - Immunology |
| - Anatomy | - Life Sciences |
| - Aerospace Biology | - Microbiology |
| - Bacteriology | - Nutrition |
| - Behavioral Sciences | - Occupational Health |
| - Biochemistry | - Pathology |
| - Bioengineering | - Pharmacology |
| - Biophysics | - Physical, Chemical & Earth Sciences |
| - Biotechnology | - Physics |
| - Botany | - Physiology |
| - Environmental Sciences | - Public Health |
| - Cell Biology | - Radiation Biology |
| - Clinical Medicine | - Systematic Biology |
| - Environmental Biology | - Toxicology |
| - Engineering, Computing and Technology | - Veterinary Science and |
| - Experimental Medicine | - Zoology. |
| - Genetics | |

✧ **Physics Abstracts**

✧ **Current Contents on:**

- Clinical Medicine;
- Physical, Chemical and Earth Sciences;
- Agriculture, Biology and Environmental Sciences;
- Engineering, Computing and Technology and
- Life Sciences.



During the period 2009-2010, BANSDOC has provided 1,747 bibliographical references among the 15 scientists/researchers. Though government earned very little revenue income Tk.1,012 in exchange this service, really it is not evaluated in terms of money. The importance of this service is enormous in the field of research and development activities in the country.

(c) Reprographic Service



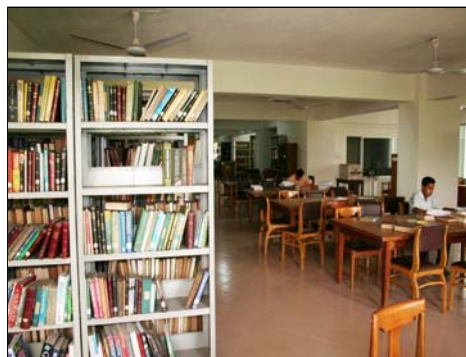
Users on request may avail themselves of the reprographic services like: scientific photography, slide making, photocopying, laminating and spiral binding through paying minimum charges. During the period 2009-10 BANSDOC has provided 27,994 pages



photocopies, 280 photography, 23 laminating and 80 spiral binding.

(d) BANSDOC Library

BANSDOC Library is the specialized science library. For a long time it is popular to the scientists and researchers as a referral library. It has been functioning as a supplementary library of scientific and technological reading materials used by the scientists, technologists, academicians, entrepreneurs, students and research guides in the country. The Library has a Books and Journals Selection Committee approved by the Government. In every year library holding has been increasing by purchasing new books and periodicals according to the guidance of that committee.



BANSDOC Library avoids to purchase the duplicate books and periodicals which is available in other libraries in the country. No membership is needed to use the BANSDOC Library. It is open from 9:00 am to 5:00 pm for all categories of users except weekend and other govt. holidays. The library provides reader service only. There is no issue system of library holdings. There are two study carrels with proper decoration and modern facilities for veteran academicians and scientists to carry out study comfortably for their research and development activities. The Library is organized in three sections such as: Book Section, Journal Section and Reference Section. Presently it holds about 450 titles of periodicals and 20,000 titles of books in the field of science and technology.



(i) Library Services

Presently BANSDOC Library renders the following information services :

✧ Readers Service :

- Books (Local and Foreign);
- Journals/Periodicals (Foreign and Indigenous);
- Thesis (Local);
- Newspapers (National Dailies).

✧ BANSDOC Mobile Library Service

- To create awareness and to provide library and information services among the science students

✧ Reference Service

✧ Referral Service and

✧ SDI Service.

✧ Photocopy Service: To provide necessary pages of books and journals as per users requirements.

✧ Current Awareness Service (CAS): To provide 170 R&D and academic organizations of the country which are related with science and technology and information & communication technology. The breakup of the 170 organizations made into seven broader groups as follows:

Computer Science and Mathematics	25 Organizations
Earth & Environmental Science	32 Organizations
Agriculture, Botany and Food Science	34 Organizations
Medical Science	12 Organizations
Life Science	20 Organizations
Engineering and Technology	29 Organizations
Physics and Chemistry	18 Organizations

BANSDOC Library delivered them the photocopy of all the content pages of recently procured journals on quarterly basis through Current Awareness Service (CAS).

Most of the collections of BANSDOC Library consist of the following Subjects Headings:

Sl. No.	Subject	Sl. No.	Subject
1	Reference	13	Biology
2	Computer Science	14	Botany
3	Information Science & Library	15	Zoology
4	Religion	16	Medical Science
5	Social Science	17	Engineering
6	Language	18	Agriculture
7	Pure Science	19	Home Economics & Family
8	Mathematics	20	Management
9	Astronomy	21	Chemical Engineering
10	Physics	22	The Arts
11	Chemistry	23	Literature & Rhetoric
12	Geology	24	evsjv fvlvq cÖKvwkZ

(ii) Library Activities

Acquisition of Journals & Books:

Sl.No.	Description	2009-10
1.	Foreign Journal (Purchased)	11 titles
2.	Local Journal (Purchased)	06 titles
3.	Complementary (Local/Foreign)	41 titles
4.	SAARC Documentation Centre, New Delhi, India	22 titles
5.	Local/Foreign Books (Purchased)	172 Nos.

Service Rendered:

Sl.No.	Description	2007-2008	2008-2009	2009-10
1.	Reader Service	4,212 Persons	1,102 Persons	1,282 Persons
2.	Photocopy Service	15,072 Pages	33,026 Pages	22,120 Pages
3.	Current Awareness Service (CAS)	170 Org.	170 Org.	174 Org

(e) BANSDOC Cyber Service

To provide cyber service in user-friendly environment with faster internet connectivity.



BANSDOC Publications

BANSDOC has been bringing out a number of important publications on different topics of interest to the scientists, technologists, academicians, entrepreneurs, planners, policy-makers and decision-makers at the highest level. The publications are:



- Directory of Scientists and Technologists of Bangladesh;
- Bangladesh Science and Technology Abstracts;
- Current Scientific and Technological Research Projects of Bangladesh;
- National Catalogue of Scientific and Technological Periodicals of Bangladesh;
- Directory of Scientists and Technologists of Bangladesh Living Abroad;
- Survey of Research and Development (R&D) Activities in Bangladesh and
- Directory of Bangladesh R&D Organizations and Their Current Scientific and Technological Research Projects.
- BANSDOC Annual Report

The following publications has been published during the period 2009-2010:

- (i) Bangladesh Science and Technology Abstracts;
- (ii) BANSDOC Annual Report.

Cooperative Programmes of Activities with International Organizations

BANSDOC has been maintaining cooperative programmes of activities with a number of leading regional and international library/information/documentation centres over the world. These are mentioned below in brief:

(a) National Library of Australia (NLA)

At present BANSDOC can meet up only 10% of total requests of its users for document procured from domestic available resources and 90% of total request are met with procuring from external resources. BANSDOC can meet up about 60% of the total requests of its users for documents procured from NLA on payment in the form of UNESCO Dollar Coupons. Usually the photocopy of a document up to 30 pages costs Australian \$12.00 only.

(b) National Institute of Science Communication and Information Resources (NISCAIR)

BANSDOC can meet up about 20% of the total requests of its users for documents procured from NISCAIR on payment. Usually the photocopy of a document up to 20 pages costs Indian Rs. 90.00 only.

Complimentary Received under SDC Programme from NISCAIR:

Sl. No.	Title of Journal	Frequency
1.	Annals of Library and Information studies	Quarterly
2.	Current Literature on Science of Science	Bi-monthly
3.	Indian Journal of Biochemistry and Biophysics	Bi-monthly
4.	Indian Journal of Biotechnology	Quarterly
5.	Indian Journal of Chemical Technology	Bi-monthly
6.	Indian Journal of Chemistry. Sec. A	Monthly
7.	Indian Journal of Chemistry, Sec. B	Monthly
8.	Indian Journal of Engineering and Material Science	Bi-monthly
9.	Indian Journal of Experimental Biology	Monthly
10.	Indian Journal of Fiber and Textile Research	Quarterly
11.	Indian Journal of Marine Sciences	Quarterly
12.	Indian Journal of Pure and Applied physics	Monthly
13.	Indian Journal of Radio and Space Physics	Bi-monthly
14.	Indian Journal of Traditional Knowledge	Quarterly
15.	Indian Science Abstracts	Semi-monthly
16.	Indian Journal of Natural Products and Resources	Quarterly
17.	Journal of Scientific and Industrial Research	Monthly
18.	Journal of Intellectual Property Rights	Bi-monthly
19.	Medicinal & Aromatic Plants Abstracts	Bi-monthly
20.	Natural Product Radiance	Bi-monthly
21.	SAARC Abstracts on Development Matters	Quarterly
22.	SAARC Abstracts on Medicinal & Aromatic Plants	Quarterly

The document delivery services of BANSDOC is highly subsidized. It charges only Tk. 10.00 per page photocopy of a full text document from the users. Requests for photocopies of full text documents are generally sent in pre-paid photocopy request forms made in UNESCO Dollar Coupons.

(c) Other Organizations

BANSDOC has also been availing continued assistance and cooperation from many other organizations over the world, namely:

- (a) Pakistan Scientific and Technological Information Centre (PASTIC);
- (b) Institute of Scientific and Technical Information of China (ISTIC);
- (c) National Centre for Science Information Systems (NCSIS), Japan;
- (d) Russian Academy of Sciences (RAS);
- (e) Federation of International Information and Documentation (FID), The Netherlands;

- (f) European Commission (EC), Belgium;
- (g) European Patent Office (EPO), The Netherlands;
- (h) SAARC Documentation Centre (SDC), India;
- (i) UNESCO, France and
- (j) ISESCO, Morocco.

Functions of SAARC Documentation Centre

BANSDOC is the National Focal Point of SAARC Documentation Centre. SAARC Documentation Centre (SDC) provides training programs in Library and Information Technology. The following candidates from Bangladesh has been sent to SDC,NISCAIR, New Delhi, India for taking higher training:

1. Mr. Md. Samsul Islam, Senior Librarian, Scientific Information Unit, Bangladesh Atomic Energy Commission, Dhaka.
2. Mr. A.K.M. Jobaer, Deputy Finance Controller, Office of Senior Finance Controller (DP), New Airport Road, Tejgaon, Dhaka.
3. Mr. Sheikh Jakir Hossain, Data Entry/Control Supervisor, Bangladesh Computer Council, Dhaka.

Mr. Mijanur Rahman, Director of BANSDOC has participated 15th Governing Board Meeting of SAARC Documentation Centre, New Delhi, India on 12-13 November 2009.

Human Resource Development

There is no alternative to lead organizational activities without training. Due to the change of technology it is more important to attend new training gradually. During the period 2009-2010, the following officers and staffs of BANSDOC attended the training courses are shown as follows:

S/N	Name	Trainings	Time	Local/ Foreign
01	Mr. Md.Moniruzzaman Senior Reprographic Officer BANSDOC, Dhaka.	i) Associateship in Information Science (AIS) ii) Basic Course on Video Editing	05/09/07-2009 and 20/04/10-22/06/10	New Delhi, India and Dhaka Bangladesh
02	Ms. Farzana Suzat Scientific Officer BANSDOC, Dhaka.	Information Technology and it's Application for Developing Countries	20/07/09-06/09/09	Shanghai, China
03	Mrs. Nasima Khatun Cataloguer BANSDOC, Dhaka.	(i)Advanced WINISIS Programme for Library and Information Professionals (ii) Introduction of Office Application under WID	07/12/09-11/12/09 and 04/05/09-90 hours	New Delhi, India and Dhaka, Bangladesh

S/N	Name	Trainings	Time	Local/ Foreign
04	Mr. Md. Azam Khan Technician BANSDOC, Dhaka.	Introduction to Office Application	08/04/10-08/07/10	Dhaka, Bangladesh
05	Mr. Md. Sayem Khan Technician BANSDOC, Dhaka.	Basic Course on Digital Photography	09/04/10-09/06/10	Dhaka, Bangladesh
06	Mr. Md. Shahidullah UD Assistant BANSDOC, Dhaka.	Introduction to Office Application	08/04/10-08/07/10	Dhaka, Bangladesh
07	Mrs. Runia Khatun Sorter BANSDOC, Dhaka.	Introduction of Office Application under WID	04/05/09-90 hours	Dhaka, Bangladesh

Budget

The allocated revenue budget was Tk. 160.68 lakh in the 2009-2010 financial year and expended Tk. 145.32 lakh. There was no development project taken by BANSDOC during that period. A link road of BANSDOC was constructed by Tk. 20.71 lakh from the revenue budget.

Three Years Revenue Budget Statement of BANSDOC is shown as follows:

Financial Year	(in Lakh Taka)		
	2007-08	2008-09	2009-10
Allocated Budget	199.33	176.33	160.68

Income

The revenue income is very little in proportion to the information service provided by BANSDOC. Actually BANSDOC is the organization for providing service. So it is not possible to measure its activities by the visible income. Its invisible income is unlimited and more valuable providing the science and technology research information service in Bangladesh. During the period 2009-10 BANSDOC earned revenue income 0.54 lakh taka.

Revenue earned by BANSDOC during last three years through rendering different information services is shown as follows:

Financial Year	(in Lakh Taka)		
	2007-08	2008-09	2009-10
Income	2.69	0.79	0.54

Arranged Seminar/Workshop/Consultative Meeting

Sl. No.	Subject	Date
1.	Consultative Meeting on BANSDOC Library Automation and Digitalisation	11 March 2010
2.	Consultative Meeting on BANSDOC's Activities and its Future Plan	24 May 2010
3.	Seminar on BANSDOC's Activities and its Future Plan	31 May 2010
4.	Workshop on Addressing of BANSDOC's Services	03 June 2010
5.	Workshop on Modernization of BANSDOC's Services	08 June 2010
6.	Workshop on Functions for BANSDOC Library Modernization in the Users View	17 June 2010
7.	Consultative Meeting on Modernization of Documentation and S&T Information Services	23 June 2010
8.	Enhancement of BANSDOC's Reprographic Services through Users Perception	28 June 2010



BANSDOC Website (www.bansdoc.gov.bd)

BANSDOC has a resourceful website (www.bansdoc.gov.bd). Users can know the aims and objectives of BANSDOC, BANSDOC's services and many other information from the website. Users can also obtain the information of library holdings through the catalogue search from the website.

E-mail Address and Phone No.

Sl. No.	Name of Division	E-mail Address and Phone No.
1.	BANSDOC	bansdoc@gmail.com 8151532
1	Office of the Director	director@bansdoc.gov.bd 8127744
2	Office of the Principal Scientific Officer	bansdoc@bansdoc.gov.bd 8127726
3	Office of the Senior Reprographic Officer	sro_bd@yahoo.com 9119594
4	Documentation Division	docu@bansdoc.gov.bd 8151532
5	BANSDOC Library	library@bansdoc.gov.bd 8151532 Ext-106
6	S&T Information Division	biblio@bansdoc.gov.bd webmaster@bansdoc.gov.bd 8159215

BANSDOC's Vision

- ✳ To perform digital library services instead of traditional library system.
- ✳ Taking initiatives in BANSDOC for training support to other libraries of the country.
- ✳ Organizing seminar/workshop from time to time for modernization, extension and more publicity of existing BANSDOC activities and services.
- ✳ Arranging local and foreign training for the BANSDOC personnel.
- ✳ To launch inter-library cooperation and resource sharing at national level.
- ✳ To arrange BANSDOC visit and focus overall activities, render information services of BANSDOC to the students of school, college and universities who are concerned in the field of Science and Information & Communication Technology.