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Section Officer,

UNEP/SCBD
19124
JUN 20 2001
ACTION <u>JK</u>
FILE _____
INFO <u>JH, IA, VA</u>

No. 2(48)/2000-G
GOVERNMENT OF PAKISTAN
Ministry of Environment, Local Government
& Rural Development

Islamabad the 31 May, 2001

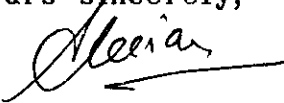
SUBJECT: EX-SITU COLLECTIONS ACQUIRED PRIOR TO ENTRY INTO FORCE OF THE CONVENTION ON BIOLOGICAL DIVERSITY AND NOT ADDRESSED BY THE COMMISSION ON GENETIC RESOURCES FOR FOOD & AGRICULTURE

Please refer to your letter ref No. SCBD/SEC/UN of 25 May, 2000 on the above subject and find enclosed herewith information on the prescribed format collected by us so far. As soon as information is received from other organizations, it will also be sent to CBD Secretariat.

2. As regards Information on plant genetic resources/ advance breeding lines it is stated that Pakistan Agricultural Research Centre/ Plant Genetic Resources Institute acquired the material from International Research Centres especially Wheat, Rice, Maize, Sorghum, Millet and Potato. At the same time duplicated our indigenous crop germplasm of Wheat, Rice and other crops at CYMMIT, IRRE, ICARDA USDA Japan and Netherlands prior into force of the Convention on Biological Diversity and not addressed by the Commission on Genetic Resources for Food and Agriculture.

With regards

Yours sincerely,


(Akhtar Jan)

Mr. Hamdallah Zedan
Executive Secretary
Convention on Biological Diversity
World Trade Centre
393 Saint Jacques Street, Suit-300

Montreal Canada.

1. Information on collections

	Number of accessions			
	Pre-Convention on Biological Diversity		Post-Convention on Biological Diversity	
	Public	Private	Public	Private
PLANT GENETIC RESOURCES seed gene banks: field collections: (e.g. botanic gardens and arboreta) other: (e.g. DNA, pollen in cold storage, tissue cultures, herbaria)				
ANIMAL GENETIC RESOURCES Whole animal collections: (*) (e.g. zoological gardens; rare breed collections) other: (e.g. DNA, semen, ova (**) in cold storage)			* Please see Annexure-I. ** Please see Annexure-II.	
MICROBIAL GENETIC RESOURCES culture collections: other:				

2. Information on pre-Convention on Biological Diversity collections

Animal genetic resources.

Is Information available on:	For all accessions	For most accessions	For some accessions	For few accessions	For no accessions
Country of origin	Nil	-	-	-	-
name of depositor	Nil	-	-	-	-
date of deposit	Nil	-	-	-	-
user institution/ country	Nil	-	-	-	-

ANIMAL GENETIC RESOURCES (*)
(Whole Animal Collections)

Ex-Situ collections regarding livestock is nil, however, the livestock population (No separate information in public & private sector is available according to the census of 1996 is as under:-

<u>Cattle:</u>	Total:	20424450	Heads
	Sahiwal:	1392318	"
	Thari:	1939726	"
	Bagnari:	496846	"
	Rojhan:	212823	"
	Dhanni:	1389754	"
	Kankraj:	54042	"
	Lohani:	232490	"
	Foreign/Crossbred:	1541333	"
	Other breeds:	11752214	"
<u>Buffalo:</u>	Total:	20272873	"
	Nili Ravi:	6777658	"
	Kundhi:	4282064	"
	Others:	9213153	"
<u>Sheep:</u>	Total:	23543973	"
	Lohi:	999232	"
	Kajli:	939276	"
	Thalli:	671572	"
	Buchi:	668264	"
	Bekaneere:	33025	"
	Karanai:	358405	"
	Balochi:	2650811	"
	Bibrik:	1757368	"
	Damani:	311407	"
	Waziri:	523141	"
	Kaghani:	106212	"
	Pakshani:	326141	"
	Kooka:	947738	"
	Kail:	10541	"
	Others:	13020846	"
<u>Goat:</u>	Total:	41169311	"
	Teddy:	10181660	"
	Beetal:	2244974	"
	Kamori:	3825326	"
	Kaghani:	367153	"
	Dera Dinpanna:	96492	"
	Nachi:	80698	"
	Jatan:	168076	"
	Barbery:	1538691	"
	Lehri:	528634	"
	Chappar:	91389	"
	Others:	22046212	"
<u>Camels:</u>		815290	"
<u>Horses, Mules & Asses:</u>		333944	"
<u>Domestic Poultry:</u>		63199359	"

(DNA, Semen Ova in
Cold Storage):

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No regular system of Ex-situ collections in the form of DNA Semen, & Ova etc. occur in Pakistan, however Semen Production for continuous use takes place in the following institutes:-

- Semen Production Unit, Surezai, NWFP.
- Semen Production Unit, Qadirabad, Punjab.
- Semen Production Unit, Khairimurat, Attock, Punjab.
- Semen Production Unit, Bhunikey, Punjab.
- Semen Production Unit, Bahawalpur, Punjab.
- Semen Production Unit, Kalarkot, Punjab.
- Semen Production Unit, Karachi, Sindh.
- Semen Production Unit, Quetta, Baluchistan.

Semen Production for the cattle (Holstein Friesian, Jersey, Crossbred, Sahiwal, Red Sindhi and Bagnari) and buffalo (Nili Ravi and Kundi) breeds is being done but it is a continuous activity. Frozen semen is used in the country *after production*.