

Kamdhenu Sires 2019-2020



***BAIF Development Research Foundation
Central Research Station
UruliKanchan – 412202
Dist. Pune, Maharashtra, INDIA***

***ISO 9001: 2015
Certified Semen Freezing Laboratory***



FROZEN SEMEN FOR CATTLE AND BUFFALO IMPROVEMENT PROGRAMME

Foreword

Gainful self-employment through maintenance of dairy animals is one of the prime programs amongst various development programs run by BAIF. Production of quality semen from exotic and indigenous cattle as well as buffalo breeds and its supply to the field Cattle Development Centers for improvement in milk is remained a core activity of BAIF since inception. BAIF semen freezing laboratory was established in 1975. The objective of the semen freezing laboratory is to supply top quality semen of cattle and buffalo for breeding the field animals. Earlier only purebred Holstein-Friesian and Jersey bulls' semen was frozen, later on need to freeze semen of crossbred bulls was realized; along with that of buffalo, hence bulls of these species were added to our bull station in 1987. As Cattle Development Program expanded in different indigenous breeding tracts of the country the semen from indigenous cattle breeds like Gir, Sahiwal, Khillar, Amritmahal, Dangi, Hallikar, Tharparkar, Ongole, Krishna Valley, Gangatiri, Red Kandhari, Nimari, Red Sindhi, Rathi, Gaolao and buffalo breeds like Murrah, Surti, Jaffarabadi, Bhadavari, Banni, Pandharpuri, Nagpuri etc. is being frozen for the breed conservation and improvement program.

Since inception, this semen laboratory has technical interaction with various well recognized national and international laboratories in the field of research and development. The semen freezing laboratory is first in the country to be certified by ISO 9002:1994 in the year 2000 and later on it was upgraded to ISO- 9001:2000 in the year 2003 and ISO- 9001:2008 in the year 2010 and again in the year 2013 for its quality management system. In the year 2018 ISO system upgrade to 9001:2015 for which surveillance audit completed and final certificate under waiting. The laboratory is ranked 'A' by Central Monitoring Unit of Govt. of India. This laboratory has been recognized by the GOI as standard laboratory for testing Artificial Insemination equipment including cryo-vessels.

Through meticulous and perfect scientific work, BAIF semen freezing laboratory has won the confidence of people at home and abroad and as a result, produce of this semen-freezing laboratory is adopted at almost all the states in India by Central Government, State Government, and non-government agencies including large milk co-operatives. We have immense pleasure in releasing BAIF's Sire Directory "KAMDHENU SIRES– 2019-2020".

Bull-Mother Farm

Foundation Stock of Holstein-Friesian and Jersey heifers were selected from Denmark and Canada. These animals were born out of excellent milk-producing cows and plus proven sires from the

respective countries. The herd was closed in the year 1975. All the cows are bred with imported frozen semen of top quality and recently Holstein Friesian semen from USA and France has been imported for breeding these cows. The present herd of bull-mothers is homebred stock, which is tested for adaptability to Indian situation. Emphasis is placed on high milk yield, desirable milk fat percentage, type characters and adaptability performance of bull-dams. In addition to this, during last year seven high pedigree genetic merit bull calves were imported from Germany under National Dairy Plan-I, which is being operated through National Dairy Development Board, Anand.

The bull calves are selected from top 15% of the cows. Bull-Mother farm and Bull-Station is under continuous and rigid-disease-surveillance program and are maintained in disease free status through Western Regional Disease Diagnostic Laboratory (RDDL) based at Pune, Maharashtra State (viz. Free from T.B., J.D., Brucellosis, FMD, I.B.R., BVD etc.).

Frozen Semen

The semen doses produced at our station are as per the Minimum Standard Protocol (MSP) laid by Central Monitoring Unit (CMU) constituted by Government of India, New Delhi. The Semen Freezing Laboratory is certified for ISO-9001-2008 for its quality management system. Semen collection, dilution, packaging, freezing, storage, and handling procedures are improvised and standardized along with intensive in-house research. BAIF guarantees highest standards for attaining highest rate of conception in the cows and buffaloes bred. Laboratory space, equipment, raw semen and frozen semen doses are monitored by Quality Control Laboratory to achieve production of frozen semen doses as per international standards. To improve and maintain the quality of frozen semen a software was developed and being used in semen freezing laboratory.

To meet the growing demand of superior quality semen, BAIF has upgraded its semen freezing facility which has produced 94.73 lakh doses of frozen semen. The semen freezing and embryo transfer laboratory at Dharauli, Jind in Haryana set up to produce semen of indigenous cattle breeds with Sahiwal, Gir, Red Sindhi, Tharparkar, Haryana, Rathi and Nagori bulls, has produced 23.11 lakh semen doses (BAIF, Annual Report 2017-18).

BAIF's program is benefitting more than 5.15 million families spread over 1,00,000 villages through 4467 Livestock Development Centres out of which 68.7% are revenue model centers operating on sustainable mode in 13 states namely; Andhra Pradesh, Bihar, Gujarat, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Uttar Pradesh, Telangana and Uttarakhand states in the country. The semen doses are initially used in BAIF's Cattle Development Program and bulls are proven for satisfactory fertility prior to their wider distribution. During the period 2017-18 total 44,99,233 artificial

inseminations were carried out with average conception 50.00 per cent. (BAIF, Annual Report 2017-18). Semen also exported to neighboring countries as per demand.

Semen Inventory

Delivery of semen doses ex-stocks round the year. Bull-station houses bulls of exotic cattle breeds (Holstein-Friesian and Jersey), cross-bred (Holstein Friesian and Jersey crosses), indigenous breeds (Ongole, Amritmahal, Hallikar, Sahiwal, Gir, Dangi, Kankrej, Khillar, Tharparkar, Krishna Valley, Gangatiri, Red Kandhari, Nimari, Red Sindhi etc.) and buffalo breeds (Murrah, Surti, Jaffarabadi, Bhadavari, Banni, Pandharpuri) which include almost all types of bulls required in National Project for Cattle and Buffalo Breeding like National Dairy Plan-I being operated through National Dairy Development Board, Anand.

Semen Packaging

The frozen semen doses are available in French Mini (0.25 ml) and French Medium (0.5ml) straws. This ensures supply of frozen semen doses in versatile packing system and fulfills the demands of different customers as per their convenience.

New Frontier: Sorted semen

In changing scenario, sorted semen is the need of hour which benefits the farmer community to hasten the production of replacement heifers, lesser dependency on purchase of heifers, less male calves, rapid increase in milk production, better use of constrained feed, fodder resources, climate change mitigation strategy and production of bulls and daughters for progeny testing etc. The use of sorted semen for breeding cows owned by farmers was introduced in 660 cattle development centers in seven states. During reporting period, 22,646 inseminations performed using sorted semen with 43% conceptions and 89.6% female births were recorded at field (BAIF, Annual Report 2017-18). The sorted semen doses of indigenous breeds of Sahiwal, Gir, Tharparkar, Rathi, Red Sindhi and buffalo breeds of Murrah, Jaffarabadi as well as purebred HF, Jersey and its crosses of 50% and 75% are available with BAIF, Urulikanchan.

Field Performance Recording

Regular monitoring at BAIF's Centres has been immensely useful to track the bull's and their daughter's record in the field operations. The progeny of some of BAIF's bull has been acclaimed to be the best in the country with milk-record of over 6500 litres in lactation in crossbred cattle and 18 litres peak yield in buffalo at village conditions and more than 7500 kg in HF crossbred cows at farm conditions. The average milk-yield of HF crossbreds in BAIF's operational areas of Maharashtra is

around 3150-3200 kg. The progeny resulting from use of crossbred bulls on crossbred (inter-se mating) has performed equally well.

Progeny Testing

BAIF's program of progeny testing of bulls is now 36 years old. BAIF declared the test evaluation on purebred Holstein-Friesian and Holstein X Zebu crossbred bulls with excellent progeny test results. The present program is aimed at evaluating the crossbred bulls at farmer level management. The contemporary comparison (C.C.) relative breeding value (R.B.V.) for milk of the progeny tested bulls is presented. Since 2014 onwards another field progeny testing program for HF crossbred bulls are being implemented in Uttar Pradesh state under National Dairy Plan-I. In last 5 years semen doses of 85 bulls were used for test inseminations and progenies of first bull batch are under milk recording stage.

NOTATIONS USED:

* Indicates Limited Semen Doses ** Indicates Reserved Semen Doses

HF	- Holstein Friesian
J	- Jersey
KF	- Karan Fries.
S	- Sahiwal
G	- Gir
Kh	- Khillar
H	- Hallikar
O	- Ongole
Th	- Tharparkar
RK	- Red Kandhari
NDP	- National Dairy Plan
UID	- Unique Identification

RS	- Red Sindhi
AM	- Amrit Mahal
R.B.V.	- Relative Breeding Value
CC	- Contemporary Comparison
Sire	- Bull's Father
Dam	- Bull's Mother
ND	- Non- Descript
M.Y.	- Milk Yield
ET	- Embryo Transfer
GEBV	- Genomic Breeding Value
Dtr. Av.	- Daughter average
Std	- Standard

PROGENY TESTED PURE BRED HOLSTEIN-FRIESIAN BULLS

Sr. No	Bull Pedigree						Crossbred Progeny Proof			
	Bull Name	Birth Date	Dam No. . Name	Dams Std. M. Y (kg)	Sire Name	Sire Country	No. of Crossbred Progeny	C.C. Milk (kg)	Repeat-ability (%)	RBV %
1	ANDY**	02.10.87	HO-208	8445	CCB Chairman	USA	14	+ 315.00	75.00	106.22
2	ISHWANKU (H-107)**	11.10.81	HD-209	8129	M. R. Kemp	Canada	72	+ 63.00	85.00	104.28
3	ADARSH (H-112)**	14.10.82	HD-209	8129	O.R. EMPOROR	Canada	117	+ 158.00	90.00	112.00
4	ABHIMAN**	18.09.86	HI-212	7155	Astronaut	USA	75	+ 169.00	86.00	112.00
5	ISHWARDAS (H-103)**	19.03.81	HD-257	7049	BAIF's H-4	India	120	+ 6.00	91.00	100.00
6	AGHA**	04.10.87	HD-007	6648	CCB Chairman	USA	56	+ 113.00	82.00	107.00
7	H-36**	03.10.74	HA-70	6611	B. Heilo Belle	USA	30	+ 69.00	61.00	111.10

Note: The progeny testing results are based on crossbred progeny field data in Indian Condition.

1. *Contemporary comparison indicates progeny's superiority of milk yield over other contemporary cows.*
2. *Repeatability: It is a measure of accuracy of progeny test evaluation. (Accuracy over 70% is considered highly reliable).*
3. *RBV%: Relative breeding value indicates the relative genetic merit expressed as the percentage of all the other contemporary bulls used.*

PROGENY TESTED CROSSBRED HOLSTEIN-FRIESIAN BULLS

Sr. No.	Bull Pedigree							Crossbred Progeny Proof			
	Bull Name	Birth Date	Blood Level	Dam No. / Name	Dam's Std. M.Y. (kg)	Sire Name	Sire's Country	No. of Crossbred Progeny	C.C. Milk (kg)	Repeat-ability (%)	RBV %
1	Hero**	30.01.98	75%HF+12.5%G+12.5%S	H-30	8435	Karan (SNPP)	India	352	+116.74	94.00	107.50
2	Hans/** 370011369126	15.12.01	75%HF+12.5%G+12.5%S	H-30	8435	Kiwi (SNPP)	India	143	+59.93	91.84	103.35
3	Harnam**	18.11.99	75%HF+25%G	H-154	8370	Kiran (SNPP)	India	101	+96.74	89.11	105.50
4	Garry**	22.02.98	62.5%HF+37.5%G	H-154	8370	Dara	India	51	+42.36	80.63	102.06
5	Girish**	18.10.99	62.5%HF+18.75%S+18.75%G	H-60	7885	Gopal (PT)	India	41	+102.62	77.01	104.84
6	Hemu**	14.10.01	75%HF+25%G	H-36	7159	Kumar (SNPP)	India	116	+59.92	90.32	103.32
7	Hamdam**	13.10.99	75%HF+12.5%S+12.5%G	H-117	7105	Kiran (SNPP)	India	62	+211.10	83.43	111.21
8	Himalay**	28.12.04	75%HF+25%G	Paru	7015	246 HF	India	52	+135.41	80.95	106.67
9	Deven**	01.12.95	50%HF + 25%G + 25%S	H-45	6623	GAURAV	India	102	+9.07	89.25	100.60
10	Dharmik**	28.02.02	50%HF+25%S+25%G	H-35	6550	Dara	India	25	+63.92	66.16	102.71
11	Darpan**	01.04.02	50%HF+50%G	H-84	6545	Diler	India	53	+4.52	80.47	100.23
12	Dhiraj**	29.08.95	50%HF + 50%G	H-46	6146	DILIP (SNPP)	India	102	+77.12	89.18	104.70
13	Dildar**	30.11.00	50%HF + 50%G	H-128	5950	Daulat (SNPP)	India	19	+483.19	60.78	118.33
14	Admiral**	16.01.87	75%HF+25%G	Kaushi-2	5663	A. Jet	Denmark	123	+105.00	90.00	108.00
15	Heramb**	30.12.00	75%HF+12.5%G+12.5%S	H-173	5623	Kumar(SNPP)	India	24	+322.84	66.18	113.56
16	Dara **	15.02.84	50%HF+50%G	Bahol	5467	Sanjay	India	58	+197.00	82.00	113.00
17	Deva**	24.12.91	50%HF + 50% Th	KF-4861	5422	KF-4645	India	266	+58.15	95.31	103.70
18	Haleem**	25.05.90	75%HF+25%S	38	5322	302	India	33	+495.36	73.17	125.00
19	Honey**	11.07.95	75% HF + 25% G	14901	5140	DARA	India	39	+27.83	76.20	104.40
20	Don**	01.12.88	50%HF+50%Th	KF-4375	4698	KF-4290	India	24	+9.97	66.47	100.40
21	Dayal**	09.02.81	50%HF+50%G	Nanda	3050	S. M. Prince	Canada	19	+108.00	86.00	107.00

Note: The progeny testing results are based on crossbred progeny field data in Indian Condition.

1. *Contemporary comparison indicates progeny's superiority of milk yield over other contemporary cows.*
2. *Repeatability: It is a measure of accuracy of progeny test evaluation. (Accuracy over 70% is considered highly reliable).*
3. *RBV %: Relative breeding value indicates the relative genetic merit expressed as the percentage of all the other contemporary bulls used*

PROGENY TESTED CROSSBRED HOLSTEIN-FRIESIAN BULLS UNDER NDP-I PHASE

Sr. No.	Bull Pedigree								Crossbred Progeny Proof			
	Bull Name	UID	Birth Date	Blood Level	Dam No. / Name	Dam's Std. M.Y. (kg)	Sire Name	Sire's Country	No. of Crossbred Progeny	C.C. Milk (kg)	Repeat-ability (%)	RBV %
1	HIRAK**	--	05.12.09	75%HF+25%G	Mothi Dhavali	6710	Hinduja	India	42	+257.81	73.70	116.40
2	HANAM	--	05.03.10	75%HF+25%G	Kali Hondi	7700	Himachal	India	29	+308.91	65.73	116.09
3	HELMET	370011367621	01.11.10	75%HF+25%G	827	6543	Mercantile	Canada	32	+145.35	68.12	109.18
4	HETHRO	700011367200	05.09.10	75%HF+18.75%G+6.25%S	XHK-02	9089	Hemu	India	17	+167.69	53.76	108.38
5	HAIDOS	--	22.02.10	75%HF+25%G	1236	7077	Ambadas	India	43	+105.13	74.20	106.86
6	HANDY	--	26.02.10	75%HF+25%G	386	6489	Adeep	India	29	+124.26	65.91	106.55
7	HARIHAR	370011367222	12.08.11	75%HF+25%G	Bandi	6050	Himachal	India	38	+105.01	70.31	105.87
8	HERCULUS	--	22.11.11	75%HF+25%S	52941	6600	Hiren	India	25	+99.23	63.31	105.37
9	HARIDATTA	--	23.06.11	75%HF+12.5%S+12.5%G	K-752	7069	Himachal	India	29	+69.07	65.55	104.11
10	HORIZON	--	04.12.11	75%HF+25%G	XHF-10	5941	Hemu	India	29	+46.09	65.94	102.47
11	HEBBAL	370011367233	01.08.11	75%HF+25%G	61331	6600	Himachal	India	38	+02.87	71.70	100.17

Note: The progeny testing results are based on crossbred progeny field data in Indian Condition.

1. Contemporary comparison indicates progeny's superiority of milk yield over other contemporary cows.
2. Repeatability: It is a measure of accuracy of progeny test evaluation. (Accuracy over 70% is considered highly reliable).
3. RBV %: Relative breeding value indicates the relative genetic merit expressed as the percentage of all the other contemporary bulls used

PROGENY TESTED CROSSBRED HOLSTEIN-FRIESIAN BULLS UNDER NETWORK PROJECT THROUGH CIRC, MEERUT (UP)

Sr. No.	Bull Pedigree							Crossbred Progeny Proof			
	Bull Name	Birth Date	Blood Level	Dam No. Name	Dam's Std. M.Y. (kg)	Sire Name	Sire's Country	No. of Crossbred Progeny	Genetic superiority over population	% Genetic superiority over population	Ranking
1	Yara**	12.05.00	50%HF+50%S	Z-211	8569	Kishor	India	19	55.05	1.96	10
2	Hans**	15.12.01	75%HF+12.5%G+12.5%S	H-30	8435	Kiwi (SNPP)	India	27	39.22	1.40	17
3	Yusuf**	14.10.99	50%HF+50%S	X-230	8429	Kiran	India	26	19.99	0.71	31
4	Harsh**	29.09.01	75%HF+25%G	H-154	8370	Ketan (SNPP)	India	24	61.73	2.20	8
5	Harnam**	18.11.99	75%HF+25%G	H-154	8370	Kiran (SNPP)	India	32	23.03	0.82	30
6	Dipesh**	11.12.94	50%HF+25%G+25%S	H-47	7650	CB-61	India	69	114.08	4.06	1
7	Hemu**	14.10.01	75%HF+25%G	H-36	7159	Kumar (SNPP)	India	19	34.97	1.25	20
8	Gama**	26.02.98	62.5%HF+37.5G	H-36	7159	Dara	India	26	30.68	1.09	24
9	Hasan**	28.06.94	75% HF+25%H	MIKY	7140	W.G. DUSTER	USA	28	38.42	1.37	18
10	Hamdam**	13.10.99	75%HF+12.5%S+12.5%G	H-117	7105	Kiran (SNPP)	India	22	52.23	1.86	12
11	Dinar**	14.02.98	50%HF+50%G	H-84	6545	Dara	India	29	28.99	1.03	27
12	Dhiraj**	29.08.95	50%HF+50%G	H-46	6146	Dilip (SNPP)	India	42	79.12	2.82	3
13	Himmat**	12.08.02	75%HF+25%G	Suman	5936	HF-53	India	33	23.29	0.83	29
14	Dhanaji**	21.01.00	50%HF+50%S	H-236	5740	Datta (SNPP)	India	30	76.14	2.71	4
15	Hiralal**	23.04.02	75%HF+25%G	Karishma	5712	H-313	India	18	29.92	1.07	26
16	Honaji**	07.03.02	75%HF+25%G	XHF11	5625	Hanu	India	27	48.62	1.73	13
17	Deva**	24.12.91	50%HF+50%Th	KF-4861	5422	KF-4645	India	112	53.70	1.91	11
18	Glory**	02.04.00	62.5%HF+37.5%G	H-103	5339	Gopal (PT)	India	24	71.80	2.56	6
19	Haleem*	25.05.90	75%HF+25%S	38	5322	302	India	147	34.35	1.22	22
20	Hari**	18.02.02	75%HF+25%S	C-707	5110	K.H.Top	Denmark	26	68.29	2.43	7
21	Dhanpal**	22.05.01	50%HF+50%S	H-191	5078	Datta (SNPP)	India	23	36.29	1.29	19
22	David**	21.07.87	50%HF+50%Th	JF-53	5059	KF-4290	India	49	41.16	1.47	15
23	Hameed**	21.09.90	75%HF+25%S	73	4823	4568	India	181	48.04	1.71	14

Note: The progeny testing results are based on crossbred progeny field data in Indian Condition at four locations BAIF, Urulikanchan, M.S, GADVASU, Ludhiana, Punjab, KAVASU, Thrissur, Kerala and GPPUA&T, Pantnagar, Uttarakhand.

PEDIGREE DETAILS OF PUREBRED HOLSTEIN FRIESIAN BULLS

Sr. No.	Bull Name	Tag No.	UID	Birth Date	Dam No. / Name	Dams Std. M. Y. (Kg)	Sire	Sire's Dam's Best M.Y. (Kg)	Sire Country
1	ABHIRAJ (ET)	P-311	--	16.06.12	Raunn Magna Echo ET	16768	Glenn Ann Palermo ET	15470	USA
2	AYUSH (ET)	Q-307	370011367847	16.09.13	Donor - Rauna Magna Echo-ET. Rece- L-205	16768	Ralma Gold Crown-ET	11008	USA
3	ATHARV (ET)	Q-305	370011568947	23.05.13	Donor-Raunn Magna Echo ET Rece-N-211	16768	Ralma Gold Crown-ET	11008	USA
4	AMLA (ET)	R-302	370044569804	10.01.14	Donor-Ruann Dane Molly 30984 Rece-O-205	14627	Glenn Ann Palermo ET	15470	USA
5	AVISKAR (ET)	P-316	--	12.10.12	Raunn JusticeTauna ET	13964	Glenn Ann Palermo ET	15470	USA
6	ALOK (Imported)	DE1404760930	370011369935	30.04.14	DE0353589543	12473 ^(1st)	DE0537116129	GEBV +2363	Germany
7	APPLE (Imported)	DE0357479565	370011367940	26.08.14	DE0769593785	11047 ^(1st)	CA107559777	GEBV +1069	Germany
8	AKIB	DE1404561384	370011367938	19.03.14	DE14038 89142	10697 ^(1st)	DE0354420210	GEBV +2128	Germany
9	ARJAV (Imported)	DE1266872787	--	28.07.14	DE1260905446	10492 ^(1st)	DE0769844762	GEBV +2249	Germany
10	ARPIT (Imported)	DE0357048876	370044572884	10.02.14	DE0355338122	10009 ^(1st)	US69981346	GEBV +2391	Germany
11	AAGMAN	T-305	370007284238	19.07.16	Donor: La Presentation Maxine (HOCAN F102327752) Reci-Q-210	9856	Fleury Mathys (HO CAN M103439288)	--	Canada
12	ABRAHAM (NDP-ET)	T-304	370007284251	14.06.16	Donor-La presentation Sadira (CANF107158501) Receipt-R-751	9681	Gen-I-Beq Halak (CANM105889677)	Dtr. Av. 11214	Canada

PEDIGREE DETAILS OF PUREBRED HOLSTEIN FRIESIAN BULLS

Sr. No.	Bull Name	Tag No.	UID	Birth Date	Dam No. / Name	Dams Std. M.Y. (Kg)	Sire	Sire's Dam's Best M.Y. (Kg)	Sire Country
13	AWAZ (Imported)	DE0356737527	370011367905	08.07.14	DE0349804513	9665 ^(1st)	DE0355182906	GEBV +791	Germany
14	ASHIRWAD (ET)	O-310	370011365921	09.10.11	D-212	9168	RoseoJoc	Dtr. Av. 11312	France
15	AVI	DE1271432388	370011367973	09.08.14	DE1262175486	9102 ^(1st)	DK02371402371	GEBV +1530	Germany
16	ADIDAS**	M-308	--	05.10.09	G-201	8698	Bocado	16441	U.S.A.
17	ACTIVE**	L-312	370011365830	09.11.08	H-212	8533	M. H. R. Lad	10291	Canada
18	AGENT	L-305	370011365852	04.08.08	H-209	8423	M. H. R. Lad	10291	Canada
19	AMNORA**	M-304	--	03.08.09	H-209	8423	R. L.S.	10335	Canada
20	ALLROUND	M-301	370011365987	10.04.09	J-207	7980	M. H. R. Lad	10291	Canada
21	ALBERT**	L-308	--	26.09.08	E-206	7937	W.D.	9490	Canada
22	ANNASO	Q-309	370011367882	24.12.13	N-206	7812	R.L.S.	10335	Canada
23	ARYAN**	N-304	370011369057	15.05.10	K-216	7763	Viborg Ernst SDM	8526	Denmark
24	AKHILESH	P-317	370011367995	28.12.12	K-216	7763	Oroby Royal Emperor	11607	Canada
25	ALBUM	S-317	370044570411	11.11.15	K-216	7763 ^(1st)	B. E. R.	8755/ 4.17	U.K.
26	AKARSHAN	P-314	370011367687	08.09.12	H-207	7415	Pathur AD	10040	France
27	APARADH	M-306	370011367927	07.09.09	E-219	7271	W. D	9490	Canada
28	AULAD	P-305	370011367791	28.04.12	M-210	7025.7	R.L.S.	10335	Canada
29	AGNEY	R-313	370011369890	03.12.14	M-210	7025.7	Wynwares Alexander	6198	U.K.

PEDIGREE DETAILS OF PUREBRED HOLSTEIN FRIESIAN BULLS

Sr. No.	Bull Name	Tag No.	UID	Birth Date	Dam No. / Name	Dams Std. M.Y. (Kg)	Sire	Sire's Dam's Best M.Y. (Kg)	Sire Country
30	AGREE	S-308	370044569941	30.07.15	O-205	7016 ^(1st)	Dalton Saturn	7229	Canada
31	APRUP	Q-306	370011367836	07.09.13	M-215	7009	M. H. R. Lad	10291	Canada
32	ANUJ**	N-310	--	18.09.10	H-215	6900	Jacob	14645	U.S.A.
33	ANIRUDH	R-301	370011367665	07.01.14	H-215	6900	Jacob	14645	U.S.A.
34	AXON	R-303	370044569872	18.02.14	L-202	6891	Jacob	14645	U.S.A.
35	AMBROS	Q-302	370011367723	27.01.13	M-203	6669	Ronly	9059	France
36	AMBANI	O-308	370011365943	04.09.11	F-206	6548	W.D.	9490	Canada
37	ATMARAM	P-310	370011365828	31.05.12	N-202	6530	Viborg Ernst SDM	8526	Denmark
38	ALASKA	340023229872	340023229872	02.05.15	390001379307	6514	IMP-Avalon	Dtr. Av. 11129	U.S.A.
39	AVIRAT	P-307	370011367698	08.05.12	M-213	6487	R.L.S.	10335	Canada
40	AUDI	R-312	370011369992	26.10.14	M-213	6487	Q. Marksman	6980	U.K.
41	ABA	O-302	370011365841	20.02.11	L-208	6281	Jacob	14645	U.S.A.
42	ANUVAD	R-310	--	24.09.14	M-208	6176	Viborg Ernst SDM	8526	Denmark
43	AMARISH	S-319	370044572678	22.11.15	Q-208	5988.3	Dalton Saturn	7229	Canada
44	AKROSH	Q-308	370011367871	23.12.13	M-209	5923	Viborg Ernst SDM	8526	Denmark
45	ANDMAN	M-314	370011365954	24.12.09	K-208	5922	R.L.S.	10335	Canada
46	ASHRAY**	N-305	370011365965	16.08.10	K-212	5839 ^(1st)	R.L.S.	10335	Canada
47	AGRASEN	340023229633	340023229633	07.02.15	390000076202	5800	Drevil	Dtr. Av. 11804	U.S.A.
48	ABURAV	Q-304	370011367676	07.04.13	M-206	6257.9	W.D.	9490	Canada

PEDIGREE DETAILS OF PUREBRED HOLSTEIN FRIESIAN BULLS

Sr. No.	Bull Name	Tag No.	UID	Birth Date	Dam No. / Name	Dams Std. M.Y. (Kg)	Sire	Sire's Dam's Best M.Y. (Kg)	Sire Country
49	ANSARI	O-307	370011367756	22.06.11	L-205	5791	R.L.S.	10335	Canada
50	ALEX	340023229702	340023229702	28.02.15	390000093611	5788	IMP-LC	Dtr. av. 11684	U.S.A.
51	ANWAR	P-302	370011367712	24.03.12	J-208	5747	W.D.	9490	Canada
52	ARBAZ	S-324	370044572031	28.12.15	K-206	5582 ^(1st)	Q. Marksman	6980	U.K.
53	AMBER	S-302	370044569677	01.03.15	O-203	6596	B.E.R.	8755/ 4.17	U.K.
54	ABHILASH	S-318	370044570615	19.11.15	Q-206	5367 ^(1st)	Dalton Saturn	7229	Canada
55	ATMANAND	R-306	370011367643	26.04.14	M-201	5344 ^(1st)	Viborg Ernst SDM	8526	Denmark
56	ABHINAV**	L-307	370011365908	21.09.08	H-208	5187 ^(1st)	W.D.	9490	Canada
57	AVADHUT	P-315	--	21.09.12	D-223	5179 ^(1st)	Ronly	9059	France
58	AMETO	O-303	370011365976	27.02.11	I-207	5139 ^(1st)	Tiger	9930	U.S.A.
59	AARAMBH	390002137252	390002137252	19.08.15	390001023890	5132 ^(1st)	Ronly	9059	France
60	AWARA	P-304	370011367734	14.04.12	L-203	5017 ^(1st)	M. H. R. Lad	10291	Canada
61	AVAKASH	Q-310	370011367778	28.12.13	N-208	5011 ^(1st)	Ronly	9059	France
62	AXIS	M-303	370011365998	08.07.09	J-205	4950 ^(1st)	W.D.	9490	Canada
63	ANURUP	S-315	370044570433	26.10.15	M-209	4869 ^(1st)	Wynwares Alexander	6198	U.K.
64	ALTECH	R-307	370011367803	10.05.14	N-205	4699 ^(1st)	Ronly	9059	France
65	AMAZON	Q-301	370011365885	20.01.13	N-205	4699 ^(1st)	Ronly	9059	France
66	ANUBANDH	R-311	370044569644	25.09.14	N-209	5104	Viborg Ernst SDM	8526	Denmark
67	AGNIVESH	P-309	370011367701	27.05.12	M-205	4510 ^(1st)	R.L.S.	10335	Canada
68	ADVAIT	T-306	370044571050	27.08.16	P-208	6677	W. D.	9490	Canada

PEDIGREE DETAILS OF PUREBRED HOLSTEIN FRIESIAN BULLS

Sr. No.	Bull Name	Tag No.	UID	Birth Date	Dam No. / Name	Dams Std. M.Y. (Kg)	Sire	Sire's Dam's Best M.Y. (Kg)	Sire Country
69	ALPESH	S-310	370044570205	06.09.15	N-211	6182	Wynwares Alexander	6198	U.K.
70	ANUKUL	S-303	370044571015	04.03.15	P-205	7862.6	Dalton Saturn	7229	Canada
71	ASLUM	T-307	370044571061	21.09.16	O-201	7214	Wynwares Alexander	6198	U.K.
72	AABHAS	S-311	370044572565	11.09.15	N-202	6373	B.E.R.	8755/ 4.17	U.K.
73	ARNAV	S-323	370044571037	30.11.15	Q-207	5506 ^(1st)	Dalton Saturn	7229	Canada
74	ACTION	S-313	370044570466	07.10.15	P-217	4730 ^(1st)	Dalton Saturn	7229	Canada
75	ADINATH (NDP-ET)	T-309	370007284320	13.11.16	Donor: La presentation Blondie Rece:R-201	9361 ^(1st)	Fleury Mathys	Dtr. av.10875	--
76	AUTHOR	S-309	370044570227	03.08.15	O-202	7787.3	Wynwares Alexander	6198	U.K.

PEDIGREE DETAILS OF PUREBRED JERSEY BULLS

Sr. No.	Bull Name	Tag No.	UID	Birth Date	Dam No. / Name	Dam's std M.Y. (Kg.)	Sire	Sire's Dam's Best M.Y. (kg)	Sire Country
1	JORAWAR (NDP-ET)	T-506	370007284240	11.06.16	Donor-Hautpre BT Fleecy-ET (JECANF103171759), Re-Q-408)	9061	Estran Random ET (JECANM105760841)	--	--
2	JAYKUMAR (Imported)	3593702751	370044572918	22.04.16	3593702405	8359	4460305338 (VJ Drostrupgaard Lure Lusaka	8924	Denmark
3	JUNAID (NDP-ET)	T-508	370007284227	29.07.16	Donor RJE Belle's Inspiration (Canf7858501) Recept R-406	7598	Estran Random ET (Jecanm105760841)	--	--
4	JORDAN (Imported)	3593702656	370044569085	06.10.15	3593702326	7426	2698602502 (VJ Elleley Tukam Torro)	6453	Denmark
5	JALWA**	L-505	370011368522	13.07.08	G-404	5481	AVF Glar	5547	Denmark
6	JEMS**	P-506	370011368668	25.06.12	G-404	5481	FYN Texas	5624	Denmark
7	JALLOSH**	Q-511	--	02.09.13	G-404	5481	LEA QST	6053	Denmark
8	JAYKISAN (ET)	S-516	370044570488	07.11.15	Donor-G-404/Recep-Q-854	5481	LEA QST	6053	Denmark
9	JUNOON**	Q-502	--	07.02.13	G-413	4901	FYNS AL	5616	Denmark
10	JASRAJ	M-501	370044572645	25.03.09	J-403	4620	FYN Texas	5624	Denmark
11	JUNG**	P-510	--	24.09.12	H-408	4447	FYNS AL	5616	Denmark
12	JAGTAP	P-513	370011368624	01.11.12	J-407	4367	LEA QST	6053	Denmark
13	JAGWAR**	L-504	--	29.04.08	H-404	4258	SKE Jib	5660	Denmark
14	JAKKA**	P-514	--	04.11.12	K-409	4092	QJY Emir	6192	Denmark
15	JAHIR	Q-515	370044568903	15.12.13	K-409	4092	FYNS AL	5616	Denmark
16	JERKIN	S-514	370044570637	13.10.15	N-403	4076	Hadsten George	5290	Denmark

PEDIGREE DETAILS OF PUREBRED JERSEY BULLS

Sr. No.	Bull Name	Tag No.	UID	Birth Date	Dam No. / Name	Dam's td. M.Y. (Kg.)	Sire	Sire's Dam's Best M.Y. (kg)	Sire Country
17	JANMITRA	S-505	370044570991	31.05.15	N-408	4049	Hadsten George	5290	Denmark
18	JAIDEEP	O-501	370011368772	08.04.11	L-407	3854	FYNS AL	5616	Denmark
19	JAY**	Q-501	370044570535	14.01.13	L-407	3854	FYNS AL	5616	Denmark
20	JABANG	S-509	370044570650	26.09.15	L-407	3854	Hadsten George	5290	Denmark
21	JOHAR	Q-503	370011368602	07.03.13	L-409	3811	HRS ERBO	5265	Denmark
22	JAYVARDHAN	Q-517	370011368486	20.12.13	L-401	3798	FYNS AL	5616	Denmark
23	JAMAICA**	Q-506	370011368566	04.04.13	M-407	3780	LEA QST	6053	Denmark
24	JAYJAWAN	R-504	370011369684	02.05.14	M-407	3780	FYNS- AL	5616	Denmark
25	JADE	Q-514	370011368544	27.10.13	L-403	3778	FYNS AL	5616	Denmark
26	JATHAR**	Q-505	370011368908	20.03.13	M-403	3757	FYNS AL	5616	Denmark
27	JUNEJA**	Q-507	370011368613	20.04.13	M-409	3755	QST Dansk Morten	5067	Denmark
28	JAYHIND	R-508	370011369946	24.06.14	M-409	3755	LEA QST	6053	Denmark
29	JAYCHAND	P-517	370011368681	18.11.12	M-405	3681 ^(1st)	FYNS AL	5616	Denmark
30	JULUS**	O-505	370011368635	01.12.11	M-406	3611 ^(1st)	La Garenne Monarch	8770	U.K.
31	JAMEER	P-515	370011368588	06.11.12	M-406	3611 ^(1st)	LEA QST	6053	Denmark
32	JAYACO**	P-516	370011368577	14.11.12	L-410	3591 ^(1st)	HRS Erbo	5265	Denmark
33	JITESH**	Q-508	--	07.07.13	M-411	3531 ^(1st)	LEA QST	6053	Denmark
34	JAILER	P-503	370011368533	02.03.12	J-409	3361 ^(1st)	La Garenne Monarch	8770	U.K.
35	JIGNESH	S-504	370044572942	20.04.15	P-403	3357 ^(1st)	Hadsten George	5290	Denmark

PEDIGREE DETAILS OF PUREBRED JERSEY BULLS

Sr. No.	Bull Name	Tag No.	UID	Birth Date	Dam No. / Name	Dam's td. M.Y. (Kg.)	Sire	Sire's Dam's Best M.Y. (kg)	Sire Country
36	JIO	T-504	370044572042	20.02.16	P-412	3618.6	Hadsten George	5290	Denmark
37	JEET	Q-504	370011368976	13.03.13	J-409	3266 ^(1st)	LEA QST	6053	Denmark
38	JASUS	R-509	370011369161	30.09.14	N-407	3032 ^(1st)	LEA QST	6053	Denmark
39	JOKER**	P-518	370044570342	19.11.12	N-407	3031 ^(1st)	LEA QST	6053	Denmark
40	JANU**	Q-513	370011368657	26.10.13	N-407	3031 ^(1st)	LEA QST	6053	Denmark
41	JEENA**	Q-509	370011368943	07.07.13	O-402	3005 ^(1st)	QST Dansk Morten	5067	Denmark
42	JADUGAR (Imported)	2732203503	370044569154	14.01.16	2732203176	8949	3164001760 (VJ Redose Tester Tinker	6985	Denmark
43	JALCHAR	R-510	370044570683	25.10.14	L-403	3867	Hadsten George	5290	Denmark
44	JANATA	S-508	370000033246	17.09.15	Q-403	3379 ^(1st)	Hadsten George	5290	Denmark
45	JAGRUKEH (Imported)	1283104598	370044569314	14.09.16	1283104202	8006	4363901837 (VJ Birkelygaard Land Lago)	9222	Denmark
46	JUDGE	S-517	370044570524	09.11.15	P-421	3458 ^(1st)	Hadsten George	5290	Denmark
47	JAGATGURU	R-506	370044570455	09.06.14	O-405	3711 ^(1st)	QST Dansk Morten	5067	Denmark

PEDIGREE DETAILS REVERSE CROSSBREED BULLS

Sr. No.	Bull Name	Tag No.	UID	Birth Date	Blood Level	Dam No. / Name	Dams Std. M.Y. (kg)	Sire Name	Sire's Dam's Best M.Y. (kg)	Sire Country
1	YASH**	B-703	--	24.10.98	HF X Sahiwal	Y-204	10592	Kiran	3470	India
2	NARAYAN**	O-811	--	01.08.11	JERSEY X Sahiwal	G-410	5489	Kumod	4430	India
3	NITIN	N-806	--	29.06.10	JERSEY X Sahiwal	G-404	5481	Kumod	4430	India
4	NAYAN **	B-809	--	14.11.98	JERSEY X Sahiwal	Y-410	5129	Kaushal	3640	India
5	NAGESH**	O-802	--	08.01.11	JERSEY X Sahiwal	J-408	3950	Kajal	3355	India

PEDIGREE DETAILS OF CROSSBRED JERSEY BULLS

Sr. No.	Bull Name	Tag No.	UID	Birth Date	Blood Level	Dam No. / Name	Dams Std. M. Y (kg)	Sire Name	Sire's dam's Best M.Y. kg	Sire Country
1	MARKOS	J-192	--	15.12.07	50%J+50%G	J-91	5057	Brij (ET) SNPP	--	India
2	MIRINDA**	J-156	--	25.05.04	50%J+50%G	J-91	5057	Bond	3658	India
3	MAJNU	380018919945	380018919945	31.05.15	50%J+25%S+25%ND	380018761461	4554	Jx-220	--	India
4	MAGADH	Q-805	370011368965	15.07.13	50%J+25%G+25%S	O-809	4522	Madhu	6717	India
5	MALIK	430023103628	430023103628	28.05.15	50%J+25%S+25%ND	430039363806	4514	NJF-JL31	--	India
6	MARICH	380038528803	380038528803	10.06.15	50%J+25%S+25%ND	380038735012	4414	JX-220	--	India
7	MOKSH	Q-803	370044568914	22.03.13	50%J+25%S+25%G	M-801	4390	Madhu	6717	India
8	MAHESH**	J-155	--	08.06.04	50%J+50%G	J-117	4140	Bharat	3545	India
9	MITTAL	R-806	370011369833	09.07.14	50%J+25%G+25%S	O-809	4522	Madhu	6717	India
10	MANOHAR	XJY-01	370011368794	01.11.11	50%J+50%G	Monika	3960	Madhu	6717	India
11	MUSIC	JJ-2	--	10.08.05	50%J+50%G	Shyama	3800	Mahinora	3447	India
12	MAHAVIR	Q-804	370011368715	13.04.13	50%J+25%S+25%G	O-801	3771	Madhu	6717	India
13	MILKHA	430024516815	430024516815	15.06.15	50J%+25%S+25%ND	430024149122	3716	NJF-JL-31	--	India
14	MARLOO	380040752733	380040752733	01.09.15	50%J+25%S+25%ND	380018804642	3673	JX-137	--	India
15	MARBLE	P-806	--	23.05.12	50%J+31.25%G+18.75%HF	M-101	3511	Madhu	6717	India
16	MUKUND	R-810	370011370212	30.12.14	50%J+50%G	P-805	3320 ^(1st)	Mirinda	5057	India
17	MARTIN	430042353038	430042353038	15.06.15	50%J+25%S+25%ND	340022281157	3048 ^(1st)	NJF-JL-31	--	India
18	OKRA**	L-856	--	11.08.08	62.5%J+37.5%S	G-853	5953	Madhu	6717	India
19	OPERA**	N-851	--	10.01.10	62.5%J+25%G+12.5%S	D-852	5201	Madhu	6717	India

PEDIGREE DETAILS OF CROSSBRED JERSEY BULLS

Sr. No.	Bull Name	Tag No.	UID	Birth Date	Blood Level	Dam No. / Name	Dams Std.MY (kg)	Sire Name	Sire's dam's Best M.Y. (kg)	Sire Country
20	OWNER	P-856	370011368987	23.07.12	62.5%J+34.37%G+3.13%S	M-853	5051	Offer	5029	India
21	OFFER**	J-193	--	17.03.08	62.5%J+37.5%G	J-126	5029	Amit (SNPP)	--	India
22	OMKAR**	J-132	--	25.07.01	62.5%J+37.5%G	J-89	4589	Amit503	--	India
23	OKARD	P-857	370011368475	14.08.12	62.5%J+34.38%G+3.12%S	M-852	4328	Offer	5029	India
24	OXY	P-851	--	01.04.12	62.5%J+25%G+12.5%S	M-855	4177	Madhu	6717	India
25	ORBIT	S-858	370044571221	02.08.15	62.5%J+34.375%G+3.125%S	M-853	4105	Offer	5029	India
26	OXFORD	R-857	370044572348	27.07.14	62.5%J+34.375%G+3.125%S	M-852	4702	Offer	5029	India
27	RAJAT**	N-855	370011369343	23.09.10	75%J+12.5%G+12.5%S	G-853	5953	Ratan	4400.3	India
28	RAJ**	O-855	370011368497	19.10.11	75%J+25%S	G-853	5953	Ranvir	5404	India
29	RAVI**	J-59	--	01.01.95	75%J+25%G	J-02	4906	J-159	--	India
30	RANA	M-856	370011368395	28.10.09	75%J+12.5%G+12.5%S	I-854	4461	Omkar	4589	India
31	ROBERT**	P-852	--	25.04.12	75%J+18.75%G+6.25%S	I-854	4461	Oza	4783	India
32	RAJGURU	S-851	370011369230	19.02.15	75%J+12.5%S+12.5%G	O-854	4037	Rajat	5953	India
33	RAUNAK**	L-853	370011368511	26.05.08	75%J+25%S	D-807	3947	SKE Jib	5660	Denmark
34	RATNAKAR**	N-852	370011369002	07.04.10	75%J+12.5%S+12.5%G	H-853	3262	Ratan	4400/300	India
35	RAKESH**	O-856	--	15.11.11	75%J+25%S	I-853	2937 ^(1st)	Raman	4396	India
36	RAGHAV	S-861	370044570648	22.09.15	75%J+12.5%G+12.5%S	L-852	3555	Ranvir	5404	India

PEDIGREE DETAILS OF HF75% CROSSBRED HOLSTEIN-FRIESIAN BULLS

Sr. No	Bull Name	Tag No.	UID	Birth Date	Blood Level	Dam No. / Name	Dam's std. M.Y. (Kg)	Sire Name	Sire's Dam's Best M.Y. (Kg)	Sire Country
1	HALOGEN	MA-U	370011369753	04.08.13	75%HF+25%G	6166	9048	Rocky	NA	India
2	HOOK	MA-R	370011367118	20.02.13	75%HF+25%G	6312	8910	HF-729	5131	India
3	HALDIRAM	MA-S	370011369321	22.02.13	75%HF+25%G	5948	8373	HF-729	5131	India
4	HARVESTER	MA-Q	370044570796	15.02.13	75%HF+25%G	5513	8131	HF-729	5131	India
5	HOKAR	MA-O	370011367095	12.02.13	75%HF+25%G	1735	8056	HF-10	8907	India
6	HIREN**	J-754	--	12.09.06	75%HF+25%S	E-752	7884	Hero	8435	India
7	HARMIT**	XP-O3	370011367450	10.07.12	75%HF+25%G	XM-02	7843	Hemu	7159	India
8	HARESWAR	MA-D	370011369252	01.01.13	75%HF+25%G	5017	7648	HF-729	5131	India
9	HENKO	MA-T	370000033554	30.07.13	75%HF+25%G	962	7550	Jacobson	9013	USA
10	HAMBURG**	R-753	370011369981	04.04.14	75%HF+12.5%G+12.5%S	L-751	7530	Hans	8435	India
11	HUMSAFAR**	Q-751	--	07.02.13	75%HF+12.5%G+12.5%S	L-751	7529	Hans	8435	India
12	HAFIZ**	M-752	370011367632	11.08.09	75%HF+18.75%S+6.25%G	J-752	7170	Hans	8435	India
13	HIMANSHU	60806	370011367610	02.10.11	75%HF+25%G	Kali (60848)	7150	Himachal	7127	India
14	HAPKIN**	MA-J	370011367164	24.01.13	75%HF+25%G	1691	7143	HF-729	5131	India
15	HIMACHAL**	SNP-12	--	04.11.03	75%HF+25%G	Ras	7127	227	--	India
16	HARIVIR**	57149	--	31.07.09	75%HF+25%S	Pimparni	7040	Deepak (PDC)	4566	India
17	HOST**	57555	370011367302	02.10.09	75%HF+25%G	58174	7040	Ambadas	8569	India
18	HIDAL	61397	370044572816	16.12.12	75%HF+25%G	Ekadashi	7040	Hurup	6050	India
19	HABIT**	MA-H	--	16.01.13	75%HF+25%G	5640	6777	HF-729	5131	India
20	HIDAYAT**	MA-P	--	14.02.13	75%HF+25%G	5450	6706	HF-729	5131	India

PEDIGREE DETAILS OF HF75% CROSSBRED HOLSTEIN-FRIESIAN BULLS

Sr. No	Bull Name	Tag No.	UID	Birth Date	Blood Level	Dam No. / Name	Dam'sstd. M. Y (Kg)	Sire Name	Sire's Dam's Best M.Y.(Kg)	Sire Country
21	HORLIC**	65201	370011367027	29.03.13	75%HF+25%G	Dhawali Mothi	7040	Handsome	7104	India
22	HUMPY	MA-M	370011369332	09.02.13	75%HF+25%G	874	6613	HF-12	NA	India
23	HAYDAN	57666	--	30.07.09	75%HF+18.75%G+6.25%S	Ekadashi	6600	Hans	8435	India
24	HERBAL	60117	370011367596	17.11.11	75%HF+18.75%G+6.25%S	Gauri	6600	Hans	8435	India
25	HAREKRISHNA	XHFP-06	370011369194	02.12.12	75%HF+25%G	Kali Bandi	6600	Ajay	8054	India
26	HAYAT	60100	370011369456	28.03.14	75%HF+25%G	Dhyanshwari	6600	Host	7040	India
27	HASRAT**	62501	370011367244	16.02.12	75%HF+25%G	Chitri	6600	Hemu	7159	India
28	HINGANA	61721	370011367120	10.12.11	75%HF+25%G	59409	6500	Ahmed	7870	India
29	HATODA**	62950	370011368954	18.08.12	75%HF+25%S	Rani (54804)	6490	Zumka (CIRC)	5100/390	India
30	HIRAKUD**	64031	370011367175	18.08.12	75%HF+25%S	Rani (54804)	6490	Zumka (CIRC)	5100/390	India
31	HEMADRI**	62101	370011367186	16.04.12	75%HF+25%G	Hondi	6490	Handsome	7104	India
32	HUMRAJ**	58981	370044570604	19.12.10	75%HF+18.75%G+6.25%S	Bandi	6380	Hans	8435	India
33	HIRANYA	60940	370011367255	19.09.11	75%HF+25%G	Laxmi-61350	6380	Hitendra	7473	India
34	HUNNAR	XHFS-01	370044569963	05.03.15	75%HF+25%S	71010	6380	Ajab(CIRC)	6649	India
35	HUDDA**	64101	370011367483	08.11.12	75%HF+25%G	Laxmi (61350)	6380	Handsome	7104	India
36	HEMRAJ**	R-756	370000318627	03.08.14	75%HF+15.63%G+9.37%S	M-753	6361	Handsome	7104	India
37	HON**	61900	370011367324	26.07.10	75%HF+18.75%G+6.25%S	Laxmi	6270	Hans	8435	India
38	HOOTER**	73263	370044569564	15.03.15	75%HF+25%S	69255 (Vithabai)	6270	Karu (CIRC)	5834	India
39	HECTIC**	Q-753	370011367153	30.08.13	75%HF+9.37%S+15.63%G	M-753	6391	Hemu	7159	India

PEDIGREE DETAILS OF HF75% CROSSBRED HOLSTEIN-FRIESIAN BULLS

Sr. No	Bull Name	Tag No.	UID	Birth Date	Blood Level	Dam No. / Name	Dam's std. M.Y.(Kg)	Sire Name	Sire's Dam's BestM.Y.(Kg)	Sire Country
40	HOLKAR**	XHFP-01	370011367654	06.01.12	75%HF+25%G	Tambadi	6160	Ahmed	7870	India
41	HELIX**	57727	370011367313	20.03.12	75%HF+25%G	60253(Panchali)	6160	FC-1397	5608	India
42	HADAGA	62452	370011367472	22.02.13	75%HF+25%S	60256 (Janki)	6160	Hiren	7884	India
43	HARIGOPAL**	62453	--	02.03.13	75%HF+25%G	60253	6160	Agha	6648	India
44	HARIVIJAY	R-760	370011369115	26.11.14	75%HF+17.19%G+7.81%S	L-752	6052	Hethro	9089	India
45	HARIKRIPA	72600	370044569930	28.12.14	75%HF+25%G	72594	6050	Hikmat	6813	India
46	HANDLE	XHFP-5	370011367062	25.10.12	75%HF+25%G	1268	5960/299	Bishop	20226	USA
47	HEDAV**	XP-05	370011367357	30.11.12	75%HF+18.75%G+6.25%S	XHF-10	5941	Hans	8435	India
48	HUGAR	XHFO-4	370011367288	01.12.11	75%HF+25%G	Mothi Bandi	5940	Aiwa	8054	India
49	HARIDAS**	XHFP-3	370011367404	27.02.12	75%HF+25%G	Gauli	5940	Ajay	8054	India
50	HARIPREM**	64103	370011367370	06.02.13	75%HF+25%G	Mothi Shingi	5940	Garry	8370	India
51	HALLS**	XHFQ-03	370011367211	18.03.13	75%HF+25%S	Bandi	5940	Hiren	7884	India
52	HAPUS	69491	370044569735	15.08.14	75%HF+25%G	Kali	5830	Hirak	6710	India
53	HUZUR**	60115	370011367506	28.11.11	75%HF+25%G	Kali Kalwad	5720	Akot	8870	India
54	HOTSHOT**	XHFP-04	370011367335	31.07.12	75%HF+25%G	Babadi	5610	Aiwa	8054	India
55	HASHIM**	XS-01	370011369797	01.01.15	75%HF+18.75%G+6.25%S	XN-01	5562	Harnam	8370	India
56	HOLD**	XM-01	370011367574	25.03.09	75%HF+21.87%G+3.13%S	XHFJ-01	5371	Harnam	8370	India
57	HYPER**	XHFP-07	370011367142	13.09.12	75%HF+18.75%G+6.25%S	Bodai	5280	Hans	8435	India
58	HUMNAVA	XQ-05	370011367016	13.12.13	75%HF+15.63%G+9.37%S	XL-01	5002	Hans	6184	India
59	HARAL	XHFR-01	370011369582	24.11.14	75%HF+25%G	Babadi	5830	Athang	8920	India

PEDIGREE DETAILS OF HF75% CROSSBRED HOLSTEIN-FRIESIAN BULLS

Sr. No	Bull Name	Tag No.	UID	Birth Date	Blood Level	Dam No. / Name	Dam's std. M. Y. (Kg)	Sire Name	Sire's Dam's Best M.Y.(Kg)	Sire Country
60	HARBHAJAN**	R-572	370011367517	27.02.14	75%HF+15.63%G+9.37%S	M-751	5605 ^(1st)	Handsome	7104	India
61	HALCHAL**	XHFP-08	370011367266	09.12.12	75%HF+25%G	Mukkabanthi	5500	Hemu	7159	India
62	HAWADA**	XP-02	370011367494	02.05.12	75%HF+15.63%G+9.37%S	XL-01	5002	Hans	8435	India
63	HOLIDAY	73475	370044569063	25.06.15	75%HF+25%G	69883 (Soni)	7920	Hanam	7700	India
64	HITACHI	76196	370044569278	02.02.16	75%HF+21.88%G+3.12%S	69886	6490	Herbal	6600	India
65	HARICHARAN	76777	370044569495	20.02.16	75%HF+25%G	73446 Langdi	6160	Aiwa	8054	India
66	HITCHINTAK	R-761	370044570568	27.12.14	75%HF+7.81%G+17.19%S	P-751	5808.9	Hiren	7884	India
67	HARIDHAN	72651	370044572521	04.11.14	75%HF+25%G	65116	6270	Hissar	5720	India

PEDIGREE DETAILS OF HF50% CROSSBRED HOLSTEIN-FRIESIAN BULLS

Sr. No	Bull Name	Tag No.	UID	Birth Date	Blood Level	Dam No. / Name	Dam's std. M. Y. (Kg)	Sire Name	Sire's Dam's Best M.Y. (Kg)	Sire Country
1	DAINIK**	1712	370011368932	13.12.12	50%HF+50%G	Vaishali	6160	Dhondi	6184	India
2	DARWIN	1722	370011369434	24.08.14	50%HF+50%G	Maina	6160	Dhondi	6184	India
3	DOCOMO	420014 451457	420014451457	06.09.16	50%HF+25%S+25%ND	420013 246816	6086.32 ^(1st)	SAG-SHS-66	--	India
4	DADASO**	H-492	--	02.02.04	50%HF+50%S	H-201	5980	Bansal	--	India
5	DIVAKAR**	1710	--	13.12.12	50%HF+50%G	Zinat	5940	Dhondi	6184	India
6	DONALD	1716	370011368910	02.11.13	50%HF+50%G	Kajal	5940	Dhawal	6545	India
7	DANAV	1718	370011368896	31.12.13	50%HF+50%S	Ganga	5940	Dadaso	5980	India
8	DIGAMBAR**	1717	370011368921	09.11.13	50%HF+50%G	Bimla	5940	Darpan	6545	India
9	DEVDAAS	1723	370011369081	23.09.14	50%HF+50%G	Rani	5940	Daljeet	5416	India
10	DARYA	340061 528725	340061528725	18.12.14	50%HF+50%S	340008 910668	5893	SAG-Bhanu	--	India
11	DURVAS	1711	370011368874	08.01.13	50%HF+50%G	Roshni	5720	Dhondi	6184	India
12	DURYODHAN	1715	370011368852	04.10.13	50%HF+50%G	Rohini	5720	Dhondi	6184	India
13	DINANATH	1720	370044568936	20.06.14	50%HF+50%G	Rupali	5720	Daljeet	5416	India
14	DARARA	340024 097677	340024097677	30.07.13	50%HF+50%G	5118	5610	Dhondi	6184	India
15	DAS	97655	370011368885	03.01.13	50%HF+50%G	Rani	5500	Dhondi	6184	India
16	DARVESH	340024 097132	340024097132	06.06.13	50%HF+50%G	Asha	5500	Dhondi	6184	India
17	DAVAT	340066 195341	370011368885	21.07.15	50%HF+50%S	340042 226665	5478	SAG-HFS119	--	India

PEDIGREE DETAILS OF HF50% CROSSBRED HOLSTEIN-FRIESIAN BULLS

Sr. No	Bull Name	Tag No.	Birth Date	UID	Blood Level	Dam No. / Name	Dam's std. M. Y. (Kg)	Sire Name	Sire's Dam's Best M.Y. (Kg)	Sire Country
18	DALJEET**	H-434	06.08.02	--	50%HF+50%G	H-235	5416	Dinar	6545	India
19	DAPTAR	420014 321790	15.06.16	420014321790	50%HF+25%S+25%ND	420013248210	5354.88	KUL-HS-20	--	India
20	DWARPAL	340043 379248	29.06.15	340043379248	50%HF+25%S+25%ND	340015946738	5240	SAG-HFS-108	--	India
21	DESHDUT	420013 091970	03.06.16	420013091970	50%HF+25%G+25%ND	420013032852	5233.39 ^(1st)	DHO-KA-7490	--	India
22	DEVANAND	420013 845428	25.06.16	420013845428	50%HF+25%S+25%ND	420013241318	5162.28	SAG-HFS-66	--	India
23	DURG**	340043 381612	23.05.15	340043381612	50%HF+50%S	340048677242	5146	SAG-HFS-121	--	India
24	DEVDAIT	340066 144744	04.06.15	340066144744	50%HF+50%S	340021338831	4916 ^(1st)	SAG-HFS/134	--	India
25	DATTATRAY	370007 439393	01.01.16	370007439393	50%HF+25%G+25%ND	370007437578	4798.98 ^(1st)	Dara	5467	India
26	DAKSHIN	340050 569323	13.04.15	340050569323	50%HF+25%S+25%ND	340021929582	4249 ^(1st)	SAG-HFS-121	--	India
27	DHANIK**	340066 193947	10.06.15	340066193947	50%HF+50%S	340041653276	4072 ^(1st)	SAG-HFS-121	--	India
28	DANSHUR	370007 516173	02.02.16	370007516173	50%HF+25%G+25%ND	370007339991	4359.42 ^(1st)	Dara	5467	India
29	DAITYA	97030	12.02.14	370044569108	50%HF+37.5%G+12.5%S	Soniya	6160	Dharmik	6550	India
30	DEVAK	420013 360800	17.09.16	420013360800	50%HF+25%G+25%ND	420012972831	5661.32 ^(1st)	DHO-KA7490	NA	India
31	DAYAWAN	340060 243256	29.06.15	340060243256	50%HF+25%S+25%ND	340022778724	4484.17 ^(1st)	SAG-HF-S-66	NA	India

PEDIGREE DETAILS OF INDIGENOUS BREEDS

Sr. No.	Name of Bull	Tag No.	UID	Breed	Date of Birth	Dam No. / Name	Std. M.Y. (Kg)	Sire
1	LALIT	C-4-04	370011368373	AmritMahal	24.07.04	Ranganatha	600	Siddarame-H90-5
2	LAKHOJI**	B-08-41	370011368340	AmritMahal	14.11.08	Obladevi /B-04/12	600	Chandir
3	POPAT**	--	--	Dangi	01.08.96	Jani	1400	Mahadu
4	PAWAN**	D-1	--	Dangi	23.03.00	Bala	1220	Khajana
5	PANDIT**	--	--	Dangi	09.07.01	Kabri	1180	Khajana
6	PRAMOD**	DF-1	--	Dangi	22.11.02	D-8	1020	Raja
7	PARASHA	DS-1	370011368247	Dangi	01.08.13	Radhi	900	Yuvraj
8	PILOT**	DS-2	370011369172	Dangi	18.11.13	Ladki	900	Bhivsa
9	PUSHPAK**	DS-4	370044569440	Dangi	10.05.13	Rama	1000	Housya
10	PRAKASH	DS-3	370044569542	Dangi	02.03.13	Bala	1000	Raja
11	PERFECT	DS-5	370044569724	Dangi	14.04.14	Panda	1400	Datta
12	PRADEEP**	DS-6	370044569597	Dangi	10.08.14	Radhi	1300	Khaji
13	PYASA	DS-10	370044569371	Dangi	10.09.14	Bali	1100	Dandagya
14	PARTH	DS-9	370044569473	Dangi	15.04.14	Dandagi	1000	Sherankel
15	PRALHAD	DS-7	370044569028	Dangi	12.09.14	Bhima	1400	Pramod
16	ZEN**	GT-01	--	Gangatiri	05.01.05	Ganga	1600	Gangatiri
17	ZEBRA**	GT-02	--	Gangatiri	30.04.05	Jamuna	1450	Gangatiri
18	VIVEK	Jambo-97017	370011369707	Gir	15.03.11	Jamboo	4800	Vilas
19	VAJEER	97861	370044572986	Gir	09.04.12	Savitri	3200	Vaibhav

PEDIGREE DETAILS OF INDIGENOUS BREEDS

Sr. No.	Name of Bull	Tag No.	UID	Breed	Date of Birth	Dam No. / Name	Std. M.Y. (Kg)	Sire
20	VAIDIK	97837	370044573001	Gir	18.03.12	Gauri	2800 ^(1st)	Vasu
21	VARGIS	97085	370044570444	Gir	24.08.12	Kusum-955	2900	Ranjeet
22	VINIT	97074	370011368214	Gir	16.07.12	Bharati	3400	Jai
23	VANDAN	97052	370011369902	Gir	28.07.12	Jyoti-131	3200	Ranjeet
24	WAGH	KH-4	370011368327	Khillar	17.12.11	Ekadashi	1200	Sonya
25	WELCOME	KH-5	370011368338	Khillar	17.12.11	Chhabi	1000	Rajan
26	WALMIK	KH-3	370044570626	Khillar	20.12.09	Chandrabhaga	900	Raju
27	WITNESS	KH-7	370011369673	Khillar	14.10.14	Chhabu	900	Dhonya
28	WASTAD	KH-2	370011368282	Khillar	10.10.08	Rani	500	Raja
29	WARIS	KH-6	370044569690	Khillar	05.03.14	320001460317	1600	Phulecha bail
30	WAKIB	KH-8	370044569655	Khillar	10.11.14	Kapili	900	Shindecha bail
31	WAKTA	KH-9	370044569781	Khillar	07.02.15	Mothi Shingi	900	Lavatecha bail
32	WONDER	KH-11	370044569666	Khillar	20.01.15	Ladki	900	Gavdecha Bail
33	WILSON	KH-12	370044569325	Khillar	10.03.15	Chhabu	1300	Nagtilakacha bail
34	WARRIOR	KH-10	370044569974	Khillar	05.12.14	Radha	1100	Kalebagacha bail
35	IRADA**	KV-7	--	Krishna Valley	10.01.04	Tangi	1100	Somaya
36	INDRAJIT**	KV-2	--	Krishna Valley	14.03.04	Laxmi	990	Ram
37	IRFAN**	KV-1	--	Krishna Valley	08.01.03	Kenda	880	Temple bull
38	IQBAL**	KV-8	--	Krishna Valley	05.08.04	Akku	800	Tanya
39	IBRAHIM**	KV-5	--	Krishna Valley	23.05.01	Gaowari	770	Kala

PEDIGREE DETAILS OF INDIGENOUS BREEDS

Sr. No.	Name of Bull	Tag No.	UID	Breed	Date of Birth	Dam No. / Name	Std. M.Y. (Kg)	Sire
40	IZAZ**	KV-4	--	Krishna Valley	17.02.03	Sita	660	Ramya
41	IMAM**	KV-3	--	Krishna Valley	08.02.03	Laxanati	1320	Laxman
42	GHOLAP**	M-02	--	Nimari	02.09.08	Cow-37	500	MP-06
43	GHARONDA**	M-03	--	Nimari	23.02.09	Cow-28	500	MP-06
44	GHURI**	M-01	--	Nimari	02.08.08	Cow-30	500	MP-06
45	BHUSHAN	Og-3	370011368271	Ongole	02.06.13	1744	1842	2277
46	BHAVIK	Og-1	370011368293	Ongole	18.06.12	Lingam Kunta	1800	Mittapalli bull
47	BHISMA	Og-2	370011368258	Ongole	25.01.13	1702	1734 ^(1st)	2277
48	BALAJI**	RK-3	370011369503	Red Kandhari	01.01.14	Gokuli	900	Harsul
49	BAHUBALI	RK-4	370011369263	Red Kandhari	20.01.14	Mangli	800	Gotya
50	BIRBAL**	RK-1	--	Red Kandhari	07.08.09	Laxmi	500	Raja
51	BALWAN**	RK-2	--	Red Kandhari	08.08.09	Rani	500	Raja Sarjya
52	KALINGA	52987	370011368305	Sahiwal	28.03.12	50535	3061.2 ^(1st)	S-4060
53	XAVIER	GA-1	370011369480	Gaolao	10.05.13	Ambika	1500	G-649
54	XEROX	GA-2	370044569360	Gaolao	06.12.13	Sita	1300	G-787
55	XENON	370044569303	370044569303	Gaolao	09.06.15	Gokul	1580	G-649
56	FAITHFUL	83	370044570865	Tharparkar	24.07.15	8	3005.8	1

PEDIGREE DETAILS OF MURRAH BUFFALO BULLS

Sr No.	Bull Name	Bull No.	UID	Birth Date	Dam No. / Name	Dam's Std. M.Y.(Kg.)	Sire
1	SOLKAR	CHRS-3052	370011368087	15.01.11	RRP-304	4852	SG-1
2	SOMNATH	CHRS-5422	370011370484	04.06.11	RRPA-698	4816	S-1
3	SRIMANT	JH-310	370011370633	30.10.08	18-378248	4700	448
4	SANSKAR	CHRS-5319	370011370416	28.08.10	RRPA.658	4664	H-418
5	SANTAJI	CHRS-7254	370011370677	22.04.11	MI-525	4618	F-2
6	SHINGUR	CHRS-6226	370000033042	15.10.10	NIC-88288	4616	M-2
7	SANTUR	CHRS-5409	370011370520	05.09.10	MI-375	4614	M-3
8	SIGMA	CHRS-5389	370011369525	18.05.11	MI-534	4604	SP-1
9	SAIRAJ	CHRS-5426	370011369811	16.10.11	JH-37	4592	J-1
10	SHASTRY	CHRS-6227	370011370495	09.06.11	RRP-570	4583	SPK-4
11	SMITH	RRP-323	370011368112	15.01.10	RRR-261	4540	H-72
12	SATVIK	CHRS-6276	370011368180	02.01.11	MI-604	4522	M-1
13	SHUKLA	CHRS-4971	370011370575	12.04.11	JH-815	4517	BS-1
14	SAHYOG	CHRS-5321	370011370597	12.09.10	RRP.138	4512	H-418
15	SUSHANT	HLDB-13-313517	370011368453	09.08.10	Bal.346	4500	B-240
16	SUDARSHAN	CHRS-304	370011370438	27.10.09	RRP-284	4500	H-72
17	SIBBAL**	CHRS-6229/	370011369822	07.03.11	MI-153	4493	BS-2

PEDIGREE DETAILS OF MURRAH BUFFALO BULLS

Sr. No.	Bull Name	Bull No.	UID	Birth Date	Dam No. / Name	Dam's Std. M.Y. (Kg.)	Sire
18	SAWAN	CHRS-6207	370011369228	25.04.11	NIC-7580	4488	R-1
19	SHIVRAM**	CHRS-5310	--	15.03.11	NIC-05237	4452	S-2
20	SUJAL	CHRS-4915	370011370371	22.07.11	BHN-965	4438	B-5
21	SHUBHAM	CHRS-6205	370044572634	10.01.11	GH-874	4430	GH-1
22	SARTAJ	CHRS-7299	370011370781	01.01.11	MI-480	4424	R-2
23	SINGHAM**	CHRS-6129	370011370325	23.03.10	NIC-87055	4422	AR-1
24	SANDY	CHRS-4936	370011370655	12.08.11	NND-1036	4418	H-415
25	STYLE	CHRS-6255	370011370804	04.08.11	NIC-7504	4412	S-2
26	SHAN	RRP-277	370011368010	25.02.10	CHRS/249	4342/290	H-74
27	SANDESH	BFK-02	370011369640	06.07.07	BAIF-11	4305	Satpal
28	SUBRATO	CHRS-335	370011368076	25.08.09	HLDB-556	4242	H-74
29	SHIRKA	CHRS-4946	370011370518	04.11.10	NIC-88285	4212	AR-2
30	SAPREM	RSM-26	370011369866	15.10.04	Lata	4200	Sanjay
31	SAHARA**	RSM-37	370011369718	02.02.05	Rupa	4200	Kukku
32	SARTHI	CHRS-197	370011370713	09.11.07	KSP-195	4200	P-7
33	SUGRIV	CHRS-7258	370011370280	26.07.11	RRP-258	4200	F-2
34	SAHAS**	RSM-38	370011370600	05.04.05	Dimple	4100	Prince

PEDIGREE DETAILS OF MURRAH BUFFALO BULLS

Sr. No.	Bull Name	Bull No.	UID	Birth Date	Dam No. / Name	Dam's Std. M.Y. (Kg.)	Sire
35	SAHADEV**	RSM-36	370011369970	03.05.05	Dimple	4100	Anand
36	SOMDEV	CHRS-1030	370011370644	10.09.08	RRP-109	4100	M-2
37	SENAPATI	2665	370011370688	06.12.08	596	4056	S-1
38	SWAPNIL**	RSM-25	370011370542	22.03.05	Rusum	4000	Amit
39	SAINI	61761	370011370553	17.11.09	Kartar No.2	4000	Satpal (BAIF)
40	SHATAYU	RA-9	370011370267	02.10.10	Laxmi	4000	Raja
41	SAMARTH	CHRS-2100	370011370815	20.12.07	RRP-642	3901	GT-1
42	SONAM	CHRS-188-2984	370011370622	05.10.07	RRP-121	3883	R-122
43	SANKALP	CHRS-1746	370000033361	09.12.08	RPP-274	3810	S-1
44	SHRIPAD	CHRS-1428	370011368021	20.10.07	RRP-155	3804	S.P.K.-121
45	SATYAM	RSM-28	370011370611	28.02.05	Gopi	3800	Laloo
46	SHAMBHU	57733	370011368065	02.11.12	LAXMI	3800	Sakha
47	SAMADHAN	CHRS-3151	370011368098	15.10.08	RPP-909	3763	M Bull-2
48	SANCHIT	128456	370011370702	10.08.08	128445	3760	I-457
49	SANKET	RSM-24	370011370531	20.06.05	Hema	3750	Dharma
50	SHAKTI	Rasin-1	--	13.01.08	Chandi No.-2	3600	Mohan
51	SURENDRA**	RA-4	370011370473	03.05.08	No-9	3600	Mohan

PEDIGREE DETAILS OF MURRAH BUFFALO BULLS

Sr. No.	Bull Name	Bull No.	UID	Birth Date	Dam No. / Name	Dam's Std. M.Y. (Kg.)	Sire
52	SUMAKAR**	RA-8	370011369638	14.03.10	20-Jul	3600	Mohan
53	SADGURU	PNJ-01	370011368043	18.06.13	1030	3600	Sahil
54	SURYAKANT	CHRS-3570	370011368054	23.10.09	159	3496	G-1
55	SHOURYA	PNJ-02	370011368032	30.06.13	1025	3400	Sahil
56	SETU	RA-3	370011369274	20.07.08	No. 60	3200	Mohan
57	SHERU**	RA-5	370011368225	12.06.08	No-29	3200	Mohan
58	SUBODH	RA-2	370011369354	09.06.08	No.12	3200	Mohan
59	SATAV	RSM-15	370011370507	26.06.03	Kajol	3050	Amir
60	SANGIT	PNJ-03	370011369217	07.07.13	1053	3600	Sahil
61	SANTRO	PNJ-04	370011370006	03.08.13	1003	4400	Sahil
62	SAKSHAR	160015161803	160015161803	04.07.13	RRP/212	4820	B-3
63	SUMMER	CHRS/4487	370044569702	18.05.14	160015146003	4551	K-2
64	SIKANDER	CHRS/5487	370044569850	03.04.14	19001336282	4212	H-412
65	SHLOK	170000010345	170000010345	15.10.13	RRP/733	4493	D-2
66	SWING	CHRS/4483	370011569770	20.05.14	160006090500	4466	PB-1
67	SWIFT	160015194555	160015194555	20.10.13	RRP/288	4623	SP-2
68	SULPHUR	CHRS/4454	370044572714	30.12.13	160006090590	4872	NN-2

PEDIGREE DETAILS OF MURRAH BUFFALO BULLS

Sr. No.	Bull Name	Bull No.	UID	Birth Date	Dam No. / Name	Dam's Std. M.Y. (Kg.)	Sire
69	SHELAR	160015163046	160015163046	21.12.13	RRP/868	4245	S-1
70	SILVER	BAIF BM/1095	370044570843	17.07.14	BM-1024	3400	Sanam
71	SAIDEEP	160015194032	160015194032	06.08.13	GH/932	4721	D-2
72	SARVESH	160015194258	160015194258	10.02.14	GH/612	4481	D-2
73	SITARA	BAIF BM-1091	370044572838	13.05.14	BM-1008	4000	Sanam
74	SAIPREM	BAIF BM-1092	370044572576	10.11.14	BM-1016	3600	Somdev
75	SHERPA	160015174374	160015174374	20.09.13	SH/311	4685	K-2
76	SOJVAL	160006090087	160006090087	02.02.13	RRP/282	4649	SP-2
77	SANDOZ	CHRS/4461	370044569746	30.09.14	170000013493	4392	SP-1
78	SIMPLE	PNJ-06	370044569861	16.11.13	1016	3600	Sahil
79	SENGUPT	160015194145	160015194145	20.12.13	SH-416	4347	K-2
80	SHIV	BAIF-BM/1094	370044572873	17.11.14	BM-1036	3600	Somdev
81	SASHANK	PNJ-05	370044569405	04.11.13	1036	3600	Sanam
82	SANJU	170000011007	170000011007	01.10.14	190001337217	4556	H-412
83	SAJAN	160015194817	160015194817	15.04.14	MP/329	3921	M-1
84	SANATH	BAIF-BM/1090	370044570592	01.08.14	BM-1004	4400	Sanam
85	SAMAY	CHRS-4457	370044569336	15.08.14	190001337104	4279	AG-504

PEDIGREE DETAILS OF MURRAH BUFFALO BULLS

Sr. No.	Bull Name	Bull No.	UID	Birth Date	Dam No. / Name	Dam's Std. M.Y. (Kg.)	Sire
86	SAMEEP	BAIF BM-1096	370044572782	15.12.14	BM-1045	3200	Sandesh
87	SAMRUDH	CHRS-4472	370044569393	29.07.14	170000013700	4342	SPK-5
88	SAIKRIPA	170000010870	170000010870	04.10.13	RRP/850	4378	F-1
89	SAIF	160015194613	160015194613	26.11.13	MP/300	4091	M-1
90	SHAGIRD	160015163811	160015163811	01.06.14	RRP/48	4196	F-1
91	SHOWER	CHRS/4451	370000033202	10.08.14	170000022610	4414	S-1
92	SUKANU	CHRS/4456	370044569256	20.08.14	160000023964	4228	RR-212
93	SHIVAMRUT	160015141052	160015141052	22.12.13	RRR/989	4224	SPK-1
94	SHYAMLAL	69897	370044569484	20.01.14	Laxmi	3800	Sakha
95	SHENOY	CHRS/4478	370044569438	22.06.14	190001337013	4206	S-2
96	SHIVTEJ	BAIF BM/1097	370044569427	15.07.14	BM-1043	3400	Sanam
97	SUPERB	170000010948	170000010948	16.02.14	RRP/416	4394	F-1
98	SHODH	170000010824	170000010824	17.10.13	RRP/732	4369	S-1
99	SHIKAGO	160015141930	160015141930	25.10.13	RRP/851	4073	SPK-2
100	SWABHAV	HLDB-14-388450	370044569110	10.08.14	190001337068	4303	SP-4
101	SWAGAT	160015194065	160015194065	15.01.13	MP/922	4060	M-1
102	SWIKAR	160006090134	160006090134	15.03.14	RRP/406	4355	R-1

PEDIGREE DETAILS OF MURRAH BUFFALO BULLS

Sr. No.	Bull Name	Bull No.	UID	Birth Date	Dam No. / Name	Dam's Std. M.Y. (Kg.)	Sire
103	SWARG	CHRS/5493	370044570001	28.09.14	160000023213	4716	SP-2
104	SWARUP	340079586043	340079586043	16.08.15	340079589533	3810	SAG-BM-347
105	SANYYAM	340079592603	340079592603	16.09.14	340021048598	4531	SAG-BM-347
106	SHIDHANT	130002664354	130002664354	25.01.15	130001727867	3326	SAG-BM-347
107	SURYATARA	HLDB-4/358405	370044569952	24.07.14	190001337057	4436	S-2
108	SWARAJ	340077527582	340077527582	22.08.15	340077440068	2951	HIS-70577
109	SHARDUL	340077059232	340077059232	19.03.15	340009454043	3097	SAG-BM-72
110	SUBJECT	340062295772	340062295772	18.10.15	340021130811	2401 ^(1st)	HIS-70577
111	SADIK	BAIF-BM/1093	370044572964	29.12.14	BM-1017	3400	Somdev
112	SOUMYA	130002990588	130002990588	08.06.15	130001788515	4110.89	SAG-BM-347
113	SUGANDH	170000010937	370044572656	26.10.13	RRP/734	4223	S-1
114	SHRISAI	CHRS/3128	370044569553	06.06.14	RRP/36	4561	S-1
115	SAMPARK	160014062108	160014062108	25.10.15	160006318303	3180.77 ^(1st)	HIS-B-1-330
116	SWADHIN	160014183607	160014183607	20.11.15	160006264261	3026.07	HIS-PC-461
117	SHRITEJ	160006752121	160006752121	09.08.15	160004767061	3338.09	HIS-105144
118	SAVDHAN	160027004915	160027004915	25.03.16	160015811148	4807	S-2
119	SHALIMAR	160027004505	160027004505	08.01.16	160024195242	4751	D-2
120	SIMBA	190004155721	190004155721	14.07.16	190002046696	3036 ^(1st)	HIS 70577
121	SANCHAY	340084192434	340084192434	04.08.16	340022448201	2562 ^(1st)	SAG-BM-246
122	SHAKUNI	160027004414	160027004414	26.07.16	160016258963	4344	F-2
123	SURYODAY	160024195344	160024195344	23.02.16	160027004595	4724	F-2

PEDIGREE DETAILS OF MURRAH BUFFALO BULLS

Sr. No.	Bull Name	Bull No.	UID	Birth Date	Dam No. / Name	Dam's Std. M.Y. (Kg.)	Sire
124	SIGNAL	340138440063	340138440063	13.11.15	340079622482	3623.93	HIS-105144
125	SINHASAN	340139219588	340193219588	15.12.15	340079570208	4983.61	HIS-105144
126	SAJUK	160024195470	160024195470	01.12.15	160024195548	4881	F-2
127	SWASTIK	190004155264	190004155264	08.09.15	190002108304	3150 ^(1st)	SAG-BM-347
128	SWAYAM	160027002337	160027002337	15.05.16	160027004208	4600	M-155
129	SHRIMAN	160027004072	370000033417	11.12.15	160027004516	4872	ST-3

PEDIGREE DETAILS OF BUFFALO BULLS

Sr.No.	Bull Name	Breed	Bull No.	UID	Birth Date	Dam No. / Name	Dam's Std. M. Y. (kg)	Sire
1	UDGIR	Surti	251	370011368134	08.11.09	187	2966	Bipin
2	UMANG	Surti	214	370011370564	10.09.09	530	2465 ^(1st)	Srinath
3	UNJHA**	Surti	367	370011370792	24.10.10	533	2206	Dinesh
4	UREKA**	Surti	078	370011368123	05.11.08	656	2097	Srinath
5	ELEGANT**	Banni	48240914	--	31.03.05	Panjod	4400	Hodko
6	EKNATH	Banni	48240960	--	30.06.05	Baj	4200	Hodko
7	EXPRESS**	Banni	48240982	--	02.11.04	Kunj	3600	Hodko
8	EXPERT	Banni	48240903	--	02.11.05	Manaki	3000	Aajimani
9	PHERA**	Pandharpuri	257	--	15.12.11	430	2374 ^(1st)	228
10	PHILIPS	Pandharpuri	M-240	370011368191	08.04.09	403	2276.8	205
11	PHATAK**	Pandharpuri	256	370011369412	09.11.11	183	1624.9 ^(1st)	54
12	THASA	Nagpuri	NA-1	370044570912	09.09.15	Gular	2200	Rama
13	THAKYA	Nagpuri	NA-3	370044570978	02.11.15	Ratan	2200	Ragho
14	THAKUR	Nagpuri	NA-2	370044570945	20.09.15	Mohan	2400	Gulbas

PEDIGREE DETAILS OF BUFFALO BULLS

Sr. No.	Bull Name	Breed	Bull No.	UID	Birth Date	Dam No. / Name	Dam's Std. M.Y. (Kg.)	Sire
1	Taj	Jaffarabadi	48241030/	370011368178	29.10.03	Koyal	4800	Lakha
2	TIRANGA	Jaffarabadi	340024/230964	370044570956	13.08.09	Malan	4400	Sukhdev
3	TRIMURTI**	Jaffarabadi	48240845	--	23.03.04	Vegad	4200	Bindo
4	TRILOK**	Jaffarabadi	48240548	370011368156	15.09.03	Gini	4000	Ginio
5	TYAGI**	Jaffarabadi	340024/230430	370011369651	18.09.09	Ketki	4000	Sukhdev
6	TAMBORA	Jaffarabadi	48240685	370011368145	25.05.05	Dharu	3600	Gopal
7	TULSIDAS	Jaffarabadi	340077601668	340077601668	08.10.14	340077642818	4323	SAG-JF-05
8	TUKARAM	Jaffarabadi	340077549337	340077549337	09.07.14	340076959031	3874	SAG-JF-03
9	TANUJ	Jaffarabadi	340135298312	340135298312	01.10.16	340077966271	3915 ^(1st)	SAG-JF-05
10	QURESHI	Bhadavari	B-277	370044572747	05.08.09	19	1944	87
11	QUICK	Bhadavari	B-298	370011369310	17.01.10	88	1825	89
12	QUTUB	Bhadavari	B-280	370011570223	16.08.09	118	1677	84
13	QUBA**	Bhadavari	B-297	--	13.01.10	6	1655	138
14	QUINTAL	Bhadavari	B-304	370011370586	09.05.10	131	1637	87
15	QUARTER**	Bhadavari	B-278	--	06.08.09	114	1624	84
16	QUAMA**	Bhadavari	B-182	370011370462	12.04.06	B-136	1593	B-44
17	QAMAR**	Bhadavari	B-257	--	18.09.08	43	1532	46
18	QUARY**	Bhadavari	B-309	370011370451	24.08.10	B-195	1348 ^(1st)	B-138
19	QATAR**	Bhadavari	B-254	370011370666	02.09.08	72	1631	84

PEDIGREE DETAILS OF BULLS FROM JIND SEMEN LABORATORY

Sr. No.	Name of Bull	Tag No.	UID	Breed	Date of Birth	Dam No. / Name	Std. M.Y. (Kg)	Sire
1	FRANK**	7028	--	Tharparkar	13.02.07	6662	2835	4648
2	FAMOUS**	7010	--	Tharparkar	16.11.06	S-762	2803	4648
3	FAUNA	8133	340075721443	Tharparkar	27.08.16	6705	3184	7237
4	KARIM	SW-2	370011366104	Sahiwal	05.02.08	Lakshmi	4800	NDRI-1050
5	KUMBH	SW-1	370011366115	Sahiwal	27.04.07	Seeta	4400	KL1000 NDRI Karnal
6	KAURAV	S-152	--	Sahiwal	19.01.08	S-39	3901	SW 1572
7	KAMDEV	2979	370011366161	Sahiwal	15.02.12	S-505	3679	S-4037
8	KAUTUK	612765	370011366718	Sahiwal	30.11.14	Nirmali	3660	Jug
9	KAYAMAT	SW-3	370011366148	Sahiwal	16.01.10	Meera	3600	Raju
10	KARSAN	2975	370011366194	Sahiwal	30.01.12	S-205	3544	S-4037
11	KAILAS	S-7	370011366150	Sahiwal	29.12.05	S-31	3463	ASW 573
12	KAUTILYA	2964	370011366126	Sahiwal	15.11.11	S-221	3415	S-4021
13	KALPAK	2865	370011366092	Sahiwal	16.04.10	S-509	3312	S-4023
14	KRISHNA	S-8	370011366070	Sahiwal	22.03.06	S-27	3271	AICSW573
15	KABIR	2984	370011366137	Sahiwal	02.03.12	S-359	3255	S-4037
16	KANCHAN	2973	370011366057	Sahiwal	16.01.12	S-536	3184.2	S-4021
17	KASIN	52951	--	Sahiwal	10.07.11	S-453	3178	S-4021
18	KARTIK	53002	370011366252	Sahiwal	13.07.12	50580	3175.2	S-4077
19	KALYAN	53061	370011366285	Sahiwal	17.05.13	50201	3153.8	S-4049
20	KALANDER	2965	370011366035	Sahiwal	18.11.11	S-560	3137.4	S-4021
21	KESHAV	S-2944	--	Sahiwal	01.06.11	S-399	3127	S-4009

PEDIGREE DETAILS OF BULLS FROM JIND SEMEN LABORATORY

Sr. No.	Name of Bull	Tag No.	UID	Breed	Date of Birth	Dam No. / Name	Std. M.Y. (Kg)	Sire
22	KIWI	S-2932	370011366081	Sahiwal	28-03-11	S-537	3126	Sona
23	KOHINUR	S-2929	370011367005	Sahiwal	06.03.11	S-532	3086	S-4009
24	KANHA	S-2891	370011366024	Sahiwal	05-11-10	S-247	3069	S-4023
25	KAIRO	52981-ET	370011366183	Sahiwal	22-02-12	S-255	3067.1	S-4021
26	KISAN	612468	370011366707	Sahiwal	01.11.14	Niswari	3050	Jug
27	KUMKUM**	S-2870	--	Sahiwal	19.05.10	S-418	3043	S-4023
28	KUSHAN	S-2936	370011366068	Sahiwal	20-04-11	S-297	3013	S-4009
29	KUBER	2969	370011366172	Sahiwal	16-12-11	S-337	3012.1	S-4037
30	KUNAL	53044	370011366296	Sahiwal	10.01.13	50337	3012.1	S-4049
31	KUNJ	S-2877	370011366046	Sahiwal	24.07.10	S-731	2633 ^(1st)	S-4023
32	KAPUR	612732	370011366742	Sahiwal	12.11.14	Roshani	3050	Jug
33	KEPLER	HG-20	370011366753	Sahiwal	02.12.14	S-4	3202	S-742
34	KAKSHA	HG-25	370011366786	Sahiwal	20.03.15	Chotti Singi-3	3558	Raj
35	KALIDAS	HG-24	370011366775	Sahiwal	10.08.15	Dabbi-12	3152	S-742
36	KISMAT	612798	370011366720	Sahiwal	11.01.15	Santi	3660	Dula
37	KARMVIR	HG-30	370011366811	Sahiwal	01.06.15	S-17	3406	NDRI8070
38	KAVACH	SW-099	370011366866	Sahiwal	14.01.15	SW-064	3356	A.I.C.Sw-2037
39	KISKAND	SW-088	370011366833	Sahiwal	10.11.14	S-70	3360	A.I.C.Sw-2019
40	KUNDAN	SW-100	370011366877	Sahiwal	01.03.15	S-109	3270	A.I.C.Sw-2056
41	KONARK	612685	370011366731	Sahiwal	11.01.15	Maat	3314	Jug

PEDIGREE DETAILS OF BULLS FROM JIND SEMEN LABORATORY

Sr. No.	Name of Bull	Tag No.	UID	Breed	Date of Birth	Dam No. / Name	Std. M.Y. (Kg)	Sire
42	KIMAYA	SW-133	370011366935	Sahiwal	11.10.15	S-112	3272	Sw-2019
43	KALPTARU	HG-23	370011366764	Sahiwal	30.10.15	S-41	3457	NDRI-8070
44	KAMGAR	SW-90	370011366855	Sahiwal	28.07.14	S-113	3157	SW-2056
45	KARAMAT	HG-22	370011366593	Sahiwal	10.01.16	S-7	3579	HBTWB-4123
46	KSHAMA	270/111	370011366662	Red Sindhi	12-02-11	131.399	3386	Ronak. NDDB
47	KSHITIJ	974/210	370011366651	Red Sindhi	30-05-10	131.399	3386	Raghu.NDDB
48	KSHANIK	977/210	370011366638	Red Sindhi	03-06-10	131.399	3386	Raghu.NDDB
49	KSHATRIY	947/209	370011366627	Red Sindhi	01.06.09	196.304	3290	Raghu (NDDB)
50	KSHANAN	257/210	370011366673	Red Sindhi	12-06-10	203.405	2786	Raghu
51	KSHIRSAGAR	370011366605	370011366605	Red Sindhi	28.08.11	181/303	2724	Raghu
52	KSHETRAPAL	0029/uldb	--	Red Sindhi	16-07-11	193.204	2671	Raghu
53	YUVRAJ	47518952	370011366217	Rathi	07-02-06	46417400	3236	46427962
54	YASHPAL	46424712	--	Rathi	27.12.04	46417342	3193	46427450
55	YAYATI**	76504313	--	Rathi	20.01.06	46419018	2870	46415802
56	YADGAR	47500163	--	Rathi	24.01.08	46428726	2868	46428191
57	YOGESH	77349541	--	Rathi	11.12.06	46418380	2605	46419166
58	KHEMCHAND	Laxman / H-1	--	Haryana	20.01.11	Dungali	2800	Sheru
59	KHAMBIR	H-3	--	Haryana	10-11-11	Dudhiya	2800	Ashok
60	KHAIBAR	H-4	--	Haryana	08-04-11	Shukantala	3000	Vikash
61	KHUSHAL	Hanu / H-2	--	Haryana	16.03.11	Ganga	2200	Sheru
62	VITTHAL	97063	370011366376	Gir	01.08.12	Bavli	4473	Amul-601 NDDB
63	VARUN**	GH-3	--	Gir	25.04.04	G-720	4250	Shambhu
64	VISHNU	BP/994	370011366398	Gir	17.03.09	Geera	4164	Subodh
65	VIMAN**	NP/186	--	Gir	17.03.09	Chameli	4018	Resham
66	VEDANT	0975	370011366308	Gir	02.10.09	Makdi	4000	Gopal
67	VIKRANT	G-717	--	Gir	19.02.03	Anjali	3900	Nandi

PEDIGREE DETAILS OF BULLS FROM JIND SEMEN LABORATORY

Sr. No.	Name of Bull	Tag No.	UID	Breed	Birth Date	Dam No. / Name	Std. M.Y. (Kg)	Sire
68	VENKI	Laxman	340011366340	Gir	13.07.09	Laxmi	3800	Dharam
69	VIGNESH	4824/0297	370011366321	Gir	10.09.04	Ram	3800	Vashishtha
70	VAIBHAV**	4824/0333	--	Gir	05.08.04	Sardar	3350	Waman
71	VALLABH**	4824/0300	--	Gir	15.03.04	Ganesh	3312	Varun
72	VAIRAG	97303	370011366241	Gir	27.08.13	Meera	3253	Vanaraj
73	VEDPRIYA	Raj/16	370011366354	Gir	17.11.14	Bagmali	3660	Vallabh
74	VIKRAM	97143	370011366365	Gir	28.10.13	Babu	4676	Paras
75	VIVIAN	97256	370011366957	Gir	20.01.14	Nagjibhais Cow	3660	Varun
76	VINCENT	97267	370011366968	Gir	30-03-15	Pravinbhai cow	4067	Viru
77	ANUBHAV	T-302	370044572257	100%HF	05.03.16	M-215	7009	B.E.R.
78	NANDI	805/	370011366536	50%J+50%S	03.11.11	F-408	3978	Kamraj
79	NIVAS	O-808	370011366525	50%J+50%S	02.06.11	J-405	3752	Kapil
80	NILESH	N-809	370011366560	50%J+50%S	21.09.10	J-410	3570	Kaushal
81	MOON	SM-4374	370011366503	50%S+50%J	05.06.11	S-1076	3120	Jr.304
82	RAJHANS	O-851	370011366558	75%J+12.5%S+12.5%G	01.04.11	H-853	2898(1 st)	Ratan
83	OBEROY	N-853	370011366547	62.5%J+31.25%G+6.25%S	11.05.10	K-858	3761	Madhu
84	DNYANSAGAR	49298	370011366480	Nogori	26.04.15	51206	2671	N-007
85	DNYANRAJ	49227	370011366478	Nogori	21.03.15	52217	2831	N-95
86	DNYANESH	30973	--	Nogori	27.06.14	37573	2639	N-101
87	DNYANEDRA	429294	--	Nogori	03.06.15	53222	2521	N-77
88	DNYANKRIPA	Nic-868	--	Nogori	26.03.15	77051	2591	N-601