
Introduction:

Dama semen production unit (DSPU) Dama is managed by Banaskantha District cooperative milk producer's Union, limited, Banas Dairy, Palanpur.

The unit was established in 21 Feb. 2009 with the objective to provide high quality genetics in the form of semen straw to cover milk shed area to uplift socioeconomic condition of dairy farmer in the milk shed area and country. Banas Dairy Palanpur, a mother organization has excellence in the field of animal breeding, progeny testing, pedigree selection etc.

DSPU Dama started semen production in year 2009-10. The present production capacity is 1 million and will be expanded to 2 million in year 2016-17.

The bulls are selected on the basis of genetic superiority, breed characters, health soundness and prior testing through PT, PS and milk competition programs. The bulls are tested regularly for major disease like Brucellosis, Tuberculosis, John's Disease, Infectious Bovine Rhinotrichiatis (IBR) as per MSP. The bulls are also tested for genetically transmitted disease like BLAD (Bovine leukocyte Adhesion deficiency) DUMPS and Citrullinemia. The screened bulls are karyotyped to rule out possibility for inheritance of Chromosomal abnormalities. The bulls are maintained under the condition mentioned in MSP for quality semen production through out year.

To provide wide range of semen around 50 high pedigreed bulls of following breeds are maintained in the Unit

- 1) Mehsani buffalo
- 2) Kankrej cattle and
- 3) Cross breed (HF X Kankrej) cattle

The semen processing laboratory has been equipped with latest sophisticated equipments. Rigorous quality control measures, deployment of well qualified / competent man power and latest scientific technology are used in processing of semen.

During the year 2009-10 and 2011-12 the Semen station was awarded "A Grade" by Central Monitoring Unit constituted by Department of Agriculture, Dairying and Fisheries of Government of India.

Specification of Frozen Semen Doses :

- Type of Straw : French Mini Straw 0.25 ml
- Sperm Concentration per dose : A minimum of 20 million
- Microbial Standard : Less than 5000 CFU/ml
- Post Thaw Motility : A minimum 50%
- Labeling : Bull No.
Name of Semen station
Ejaculation No.
Date of Production
- Sealing : Ultrasonic machine Sealing
- Conception Rate : As reported in PT / PS Project under NDP I :

Breed	Bull No.	CR%
Mehsani	35	42
kankrej	7	48

Pedigree Details of Cross Breed (HF X Kank.) Bulls

Sr. No	Bull No	Date Of Birth	DAM ID	Dam's Lact. Yield Lit.	Lact. No.	FAT %	Sire ID	Sire Dam's Milk Yield Kg
1	CB-01	30.10.07	7736 0414	4155	3	4.50	HF-80	7345
2	CB-02	28.07.08	7736 0117	6645	3	4.80	Legend	NA
3	CB-03	19.11.07	4815 8841	4206	3	4.40	HF-431	5517
4	CB-04	26.02.08	4835 1928	3639	3	4.90	Nugget	8335
5	CB-06	05.02.09	4803 8453	4615	5	5.00	HF-431	5517
6	CB-08	25.11.08	7594 4010	5462	2	4.50	HFK-09	2841
7	CB-09	10.04.10	77901802	4183	2	4.00	Clerk	8717
8	CB-10	14.11.09	77920556	4106	5	4.60	HF -432	6452
9	CB-11	30.03.10	77360414	3556	5	4.50	HF-428	N.A
10	CB-13	23.12.11	77901128	3674	2	4.40	HF-77	11717
11	CB-14	14.09.10	NA	3520	3	4.30	HF-77	11717
12	CB-15	15.08.10	76914263	3363	3	4.70	HF-77	11717
14	CB-17	10.10.11	77922941	3405	2	4.30	HF-116	8285
15	CB-18	25.10.11	76440334	3604	3	4.60	ET-74	12514

Pedigree Details of Kankrej Bulls

Pedigree Details of Mehsani Buffalo Bulls

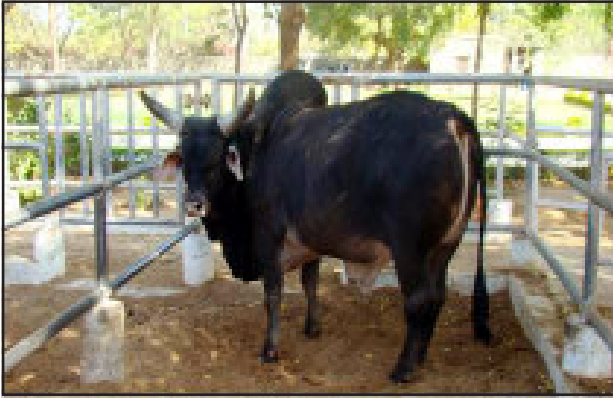
Sr. No	Bull No	Date Of Birth	DAM ID	Dam's Lact. Yield Lit.	Lact. No.	FAT %	Sire ID	Sire Dam's Milk Yield Kg
1	B-001	03.08.04	4551 7157	3450	3	7.00	NS	NA
2	B-002	18.06.04	45249765	3903	3	6.60	B-287	3346
3	B-004	09.11.04	4551 0017	3458	3	6.70	B-91	3470
4	B-007	28.06.05	74366141	3435	4	6.60	B-205	2900
5	B-008	18.07.04	4524 2135	2813	1	7.10	B-91	3470
6	B-010	15.07.05	4551 7157	3450	4	7.20	NS	NA
7	B-012	05.01.06	7428 3895	4130	2	6.80	NS	NA
8	B-013	23.07.05	4472 2480	3751	3	7.30	B-239	3826
9	B-014	22.09.05	7736 4725	3700	4	6.90	NS	NA
10	B-015	01.08.02	45504197	3275	3	7.00	B-195	3327
12	B-017	05.10.05	4523 7478	3502	4	6.90	B-260	3420
13	B-018	10.10.06	7463 0736	3949	2	7.10	B-186	3240
14	B-020	02.06.06	4524 2135	4081	2	6.60	B-186	3240
15	B-021	27.09.06	4550 5180	3222	3	6.10	B-276	2440
16	B-022	17.07.06	4551 0006	3867	4	6.70	B-244	2638
18	B-025	10.06.07	7736 2488	4326	4	7.10	NS	NA
19	B-026	17.06.07	7588 3188	3856	4	7.20	B-244	2562
20	B-027	10.08.07	4614 9722	3857	2	6.90	B-186	3240
21	B-029	18.09.07	7644 0130	4342	3	7.20	B-205	2900
22	B-031	25.09.07	7736 4576	4153	4	6.80	B-287	3346
23	B-032	23.07.07	7644 6128	4639	2	7.00	MB-016	3542
24	B-033	25.09.07	7644 6037	3081	3	7.10	B-205	2900
25	B-034	27.11.07	4813 8157	3286	7	7.50	B-275	3749
26	B-035	25.05.07	7736 4281	4900	3	6.90	NS	NA
27	B-037	07.09.07	4532 3443	3800	5	7.20	B-260	3431
28	B-038	15.10.07	NIC 08984	2836	3	7.00	B-206	3680
29	B-039	09.07.07	4614 9618	4176	2	7.20	B-205	2900
30	B-041	15.09.07	7736 8422	3455	3	7.00	B-154	3150
31	B-042	20.09.07	7436 5557	3537	4	7.40	B-298	3346
32	B-043	02.12.07	7644 6983	3518	3	6.90	B-206	3680
33	B-045	02.10.08	340002 31339	3730	3	7.20	B-298	3346
34	B-047	05.12.07	GLDB 8194	3445	4	7.10	B-187	3950
35	B0-48	25.04.08	7637 5395	3413	3	7.00	B-187	3950
36	B-050	10.10.07	7644 6653	3667	4	7.00	B-206	3680
37	B-051	15.08.08	77360447	3483	3	6.80	B-187	3950
38	B-053	20.10.09	340002 262178	3710	3	6.30	MB-007	3435
39	B-055	20.07.09	190000 846618	3299	4	6.90	NS	NA
40	B-057	13.01.09	76380768	3000	3	7.00	NS	NA
41	B-058	15.08.10	77922176	3696	2	6.50	MB-327	3256
42	B-059	26.08.09	77920055	3366	3	6.90	NS	NA

Countinue....

Sr. No	Bull No	Date Of Birth	DAM ID	Dam's Lact. Yield Lit.	Lact. No.	FAT %	Sire ID	Sire Dam's Milk Yield Kg
43	B-060	15.10.09	340002 313392	3780	4	6.80	MB-008	2813
44	B-062	13.10.10	340004 797660	3663	2	7.10	MB-154	3277
45	B-063	04.10.10	34000 2323330	3695	5	7.50	MB-154	3277
46	B-064	07.09.10	340004 293646	3637	3	6.70	MB-109	3708
47	B-065	29.09.10	34000 2266547	3230	5	6.00	MB-154	3277
48	B-066	09.12.11	340022 836304	4030	2	6.60	MB-154	3277
49	B-067	01.10.10	340022 835697	3972	3	7.20	MB-109	3708
50	B-068	15.12.10	340002 286125	3274	3	6.60	MB-007	3435
51	B-069	25.08.10	340022 879791	3211	3	6.60	MB-109	3708
52	B-070	15.08.11	34001 4467304	3312	2	7.00	MB-104	3600
53	B-071	05.11.10	340023 600716	3534	3	6.10	MB-174	3275
54	B-072	02.12.10	340005 671343	2928	1	7.65	MB-154	3277
55	B-073	14.02.11	340002 265998	3296	4	7.30	MB-174	3275
56	B-074	07.08.11	46153613	3112	3	6.40	MB-104	3600
57	B-075	05.08.11	190000 641143	3454	6	7.30	MB-174	3275
58	B-076	23.07.11	340022 878902	3743	3	6.70	NS	NA
59	B-077	20.10.10	7792 2187	3483	3	7.10	NS	NA
60	B-079	14.03.11	340021 355828	3562	3	7.10	MB-174	3275
61	B-080	02.11.10	340002 272071	3381	4	6.90	MB-154	3277

Terms & Conditions For Supply :

- Bovine Frozen semen is available in 0.25 ml straw.
- Customers are requested to bring their containers, canisters and goblets charged with Liquid Nitrogen for purchase of semen doses.
- Orders will be accepted with advance payment in full through Demand Draft / At Par cheque in favor of " Banaskantha District Co-op. Milk Producer's Union Ltd. Palanpur payable at Palanpur (N G). In exceptional cases Frozen semen doses will be supplied on credit to recognized Co-operative / Government institutions, However the payment has to be done within 15 days of supply.
- To evaluate Frozen semen doses for its quality, customers are requested to depute competent person.
- Liquid Nitrogen will be supplied on demand on payment basis. The rates for Liquid nitrogen will be subject to change time to time.
- The rates for Frozen semen doses are subject to change time to time and will be communicated on demand at ex Unit office or Palanpur HQ.
- The purchaser has to inform the bull / breed wise requirement of semen along with expected date of delivery.
- If the semen from a particular bull is not available at the time of dispatch, semen from other bull of equivalent merit would be supplied, if purchaser agreed to avoid the delay in delivery.
- At present no taxes are applicable on the semen . However any new taxes are levied, will be charged extra from time of enforcement.



K-020 (DAM's Yield : 3740 lit. Sire No. : KARAN)



K-025 (DAM's Yield : 3176 lit. Sire No. : KARTIK)



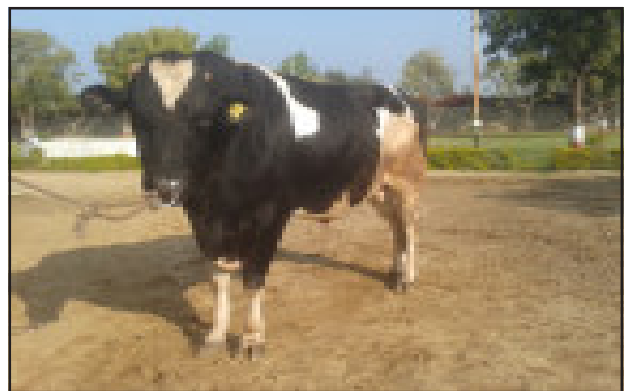
K-026 (DAM's Yield : 3901 lit. Sire No. : KARTIK)



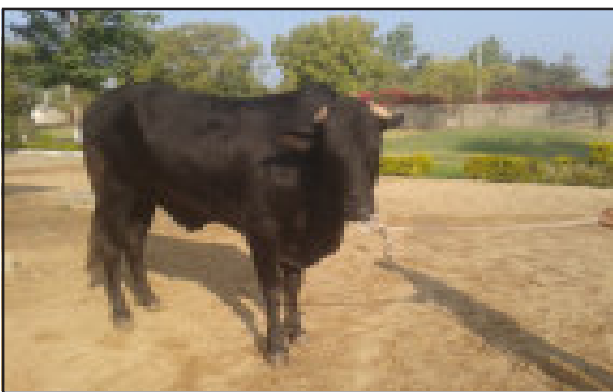
K-027 (DAM's Yield : 3568 lit. Sire No. : KARTIK)



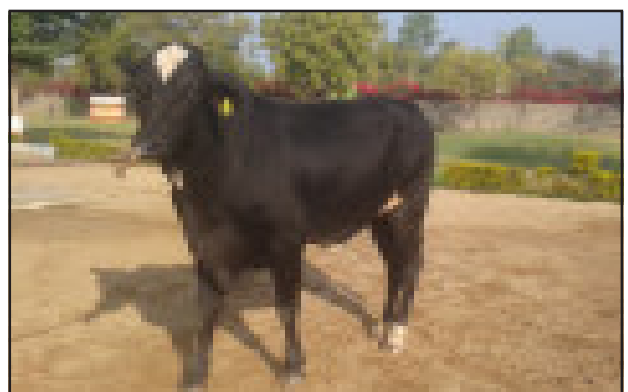
CB-01 : DAM's Yield : 7345 lit. Sire No. : HF-80)



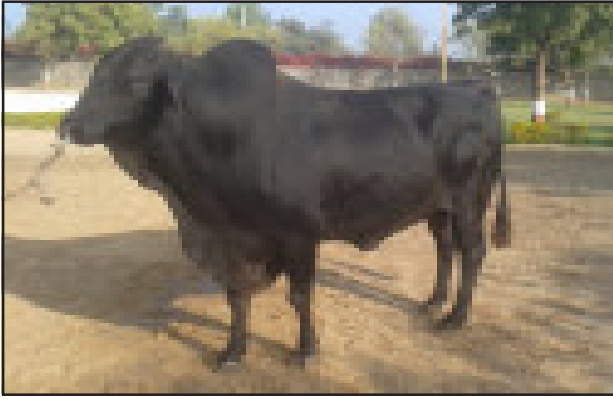
CB-02 : Sire No. : Legend)



CB-03 : DAM's Yield : 5517 lit. Sire No. : HF-431)



CB-04 : DAM's Yield : 8335 lit. Sire No. : Nugget)



CB-06 : DAM's Yield : 4615 lit. Sire No. : HF-431)



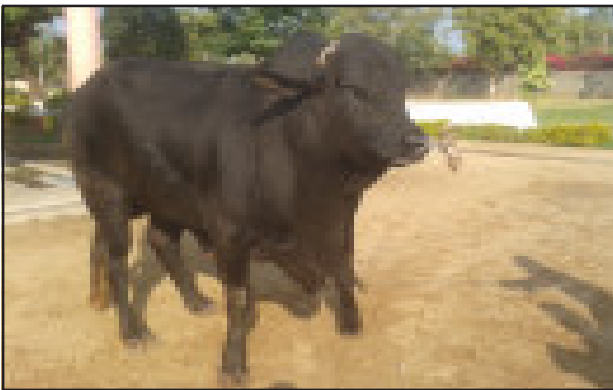
CB-08 : DAM's Yield : 5462 lit. Sire No. : HFK-09)



CB-09 : DAM's Yield : 4183 lit. Sire No. : Clerk)



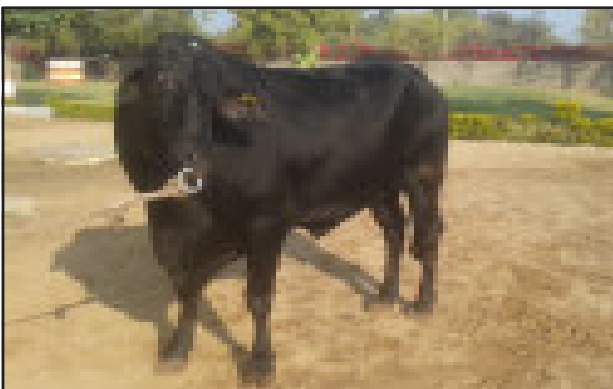
CB-10 : DAM's Yield : 4106 lit. Sire No. : HF-432)



CB-13 : DAM's Yield : 3674 lit. Sire No. : HF-77)



CB-14 : DAM's Yield : 3520 lit. Sire No. : HF-77)



CB-15 : DAM's Yield : 3366 lit. Sire No. : HF-77)



CB-18 : DAM's Yield : 3604 lit. Sire No. : ET-74)



B-001 (DAM's Yield: 3450 lit. Sire No: NS)



B-008 (DAM's Yield: 2813 lit. Sire No: B-091)



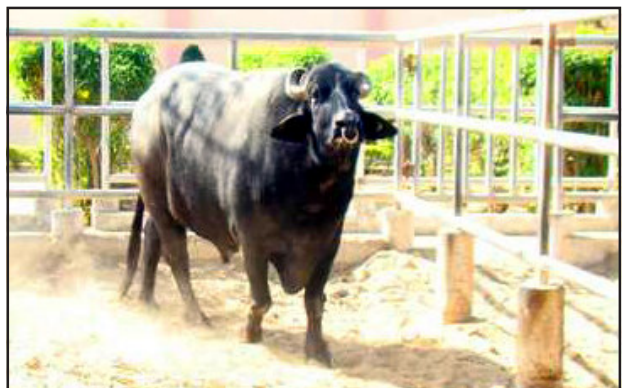
B-018 (DAM's Yield: 3949 lit. Sire No: B-186)



B-021 (DAM's Yield: 3222lit. Sire No: B-276)



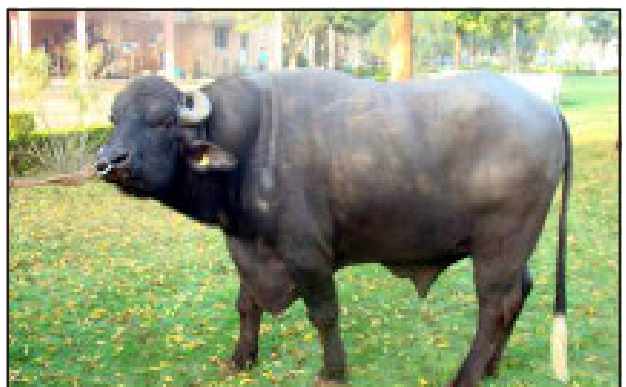
B-022 (DAM's Yield: 3867 lit. Sire No: B-244)



B-025 (DAM's Yield: 4326 lit. Sire No: NS)



B-027 (DAM's Yield: 3857 lit. Sire No: B-186)



B-029 (DAM's Yield: 4342 lit. Sire No: B-205)



B-031 (DAM's Yield: 4153 lit. Sire No: B-287)



B-033 (DAM's Yield: 3081 lit. Sire No: B-205)



B-034 (DAM's Yield: 3286 lit. Sire No: B-275)



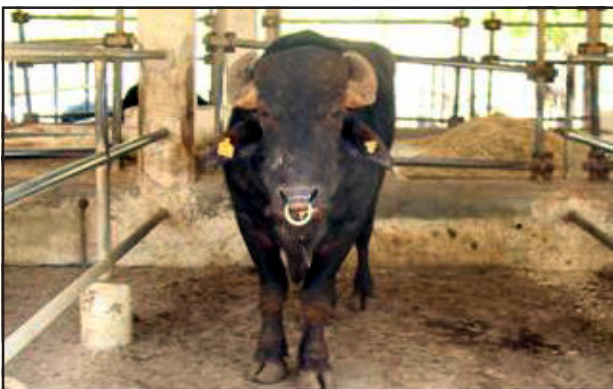
B-035 (DAM's Yield: 4900 lit. Sire No: NS)



B-037 (DAM's Yield: 3800 lit. Sire No: B- 260)



B-038 (DAM's Yield: 2836 lit. Sire No: B-206)



B-039 (DAM's Yield: 4176 lit. Sire No: B-205)



B-041 (DAM's Yield: 3455 lit. Sire No: B-154)



B-042 (DAM's Yield: 3537 lit. Sire No: B-298)



B-043 (DAM's Yield: 3518 lit. Sire No: B-206)



B-045 (DAM's Yield: 3730 lit. Sire No: B- 298)



B-047 (DAM's Yield: 3445lit. Sire No: B-187)



B-048 (DAM's Yield: 3413 lit. Sire No: B-187)



B-050 (DAM's Yield: 3667 lit. Sire No: B-206)



B-051 (DAM's Yield: 3483 lit. Sire No: B-187)



B-053 (DAM's Yield: 3710 lit. Sire No: MB-007)



B-054 (DAM's Yield: 2907 lit. Sire No: B- 275)



B-055 (DAM's Yield: 3299 lit. Sire No: NS)



B-057 (DAM's Yield: 3000 lit. Sire No: NS)



B-058 (DAM's Yield: 3696 lit. Sire No: B- 327)



B-060 (DAM's Yield: 3780 lit. Sire No: MB- 008)



B-062 (DAM's Yield: 3663 lit. Sire No: B- 154)

Address for Correspondence :

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Website: <http://www.banasdairy.coop>

Fax : 02742-252723

In charge Officer
Dama Semen Production Unit
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Dist: Banaskantha
Tel : 02748-258398
E-mail : dspu@banasdairy.coop