

Scheme for Integrated Murrah Development for the year 2018-19

Brief Background

It needs no emphasis that India possesses more than half of the buffalo population of the world with a majority of the recognised breeds. Haryana, being the home tract of the world famous Murrah buffaloes, has a prominent place on the animal husbandry and dairying map of the country. Prior to start of this Scheme, high yielding Murrah buffaloes were used to be selectively purchased by middlemen and sold to dairies in metro cities. After end of lactation, on becoming dry, these buffaloes usually ended up in slaughter houses of the metro cities. In this way a highly valuable germplasm of such an important breed of buffaloes was being lost. Therefore, to encourage the farmers to conserve and up-grade this valuable genetic resource, this Scheme is being implemented.

Being the home tract of one of the best breed of buffaloes in the world, the State is under moral, social and national obligation to undertake conservation, development and further propagation of this valuable germplasm. Murrah buffaloes are great milk producers with high fat content and in addition, efficient feed converters even when fed on poor quality roughages. Further, it is source of quality lean meat and valuable draught power. Most of the States procure their breeding stock from Haryana for up-gradation of their low producing buffalo population. The fast genetic improvement of Murrah is not only the top priority for our State but also a national concern. The top quality Murrah germplasm presently available in the State needs to be identified through performance recording, preserved and further multiplied.

Long term objectives

Long term objectives of the Schemes are as follows:

- i. Conservation and up-gradation of valuable germplasm available in the State.
- ii. Increase in milk production and overall productivity.

Medium term objectives (5 years Horizon)

Medium term objectives of the Schemes are as follow:

- i. Identification of top quality germplasm and their insemination with high quality semen for sustainable genetic improvement.
- ii. Procurement and raising of pedigreed young Murrah calves as breeding bulls for supply to other States and Panchayats.
- iii. Encouraging the farmers to rear high yielding animals of genetic merit.

Annual Objectives and Impact expected

A target to identify 850 Murrah buffaloes has been laid down by the department for the year 2018-19, however, the benefit under the Scheme would not be denied to any eligible owner of Murrah buffalo simply because of the reason of achievement of cent-percent targets. This target would not restrict milk recording of more buffaloes if otherwise found eligible. The department intends to implement this scheme with an outlay of Rs. 600.00 lac in the current Annual Plan 2018-19.

The expected impacts are as follows:

- i. Migration of quality germplasm will be reduced if not stopped altogether.
- ii. 'In situ' Murrah Germplasm Bank would become available from where other States and organization can meet their demand for good quality genetic material required to upgrade their stock.
- iii. Certified quality young bulls for Semen Production Centres as well as for natural breeding would be available.

Strategies

Murrah buffaloes meeting the bench mark of 18 kg daily peak yield or 3600 kg lactation yield would be properly identified (with ear tags) along with their progeny. Cash incentives ranging from Rs. 15,000/- to Rs. 30,000/- would be provided to owners of these buffaloes who in turn will be under obligation not to sell the buffalo and its progeny for at least one year. The incentive money would be provided to the beneficiary after one year. These identified animals would be insured and insurance premium will be borne under any prevailing insurance scheme or in the absence of which 100% insurance premium will be met out of this Scheme in case of SC beneficiaries and 50% in the case of other beneficiaries. However, if no Livestock Insurance Scheme is in operation then the beneficiary would have to arrange for the insurance of the animals and the insurance premium paid by the beneficiary would be reimbursed to the beneficiary from this Scheme.

Process of submission of online application by the applicant

Any eligible owner of true to breed quality Murrah buffalo desirous of participating under the Scheme would have to apply online on the SARAL Portal: <http://saralharyana.gov.in>. The applicants may submit application themselves on the portal or through Common Service Centres, Antodaya Kendra, Atal Sewa Kendra, e-disha Centres or any other such centre as provided by the Government from time to time. The applicants shall also be required to upload following documents during submission of their online applications-

- i. Copy of Voter Id Card/ Driving Licence/Ration Card
- ii. Copy of Aadhar Card
- iii. Copy of Bank Pass Book
- iv. Copy of cancelled Bank Cheque
- v. Copy of PAN Card

Eligibility conditions for an Applicant

The applicant must be a resident of Haryana. Any group/firm/organization would not be permitted to apply under the Scheme, as the Scheme being an individual beneficiary oriented.

A maximum of two animals per applicant would be eligible for the incentive money under this scheme. However, the recordings of more than two buffaloes of an applicant may be carried out for collecting the data of the top quality Murrah buffaloes but incentive money would be provided only for two Murrah buffaloes (in highest slabs) of that applicant in a particular year.

Further, once the incentive is provided to a beneficiary for a particular buffalo, such beneficiary would stand debarred for receiving incentive for that buffalo in its subsequent calving in future. In simple terms, incentive for a particular buffalo could be provided only one time in its life span.

Roll out of the Scheme in Terms of Commencement of Activities

Identification of top milk yielding Murrah involves field performance recording for peak daily milk yield, monthly recording to assess lactation yield through milk recorders, insurance of recorded buffaloes, procurement and rearing of buffaloes male calves as breeding bulls.

Procedure after submission of online application by an Applicant

Once the applicant has applied online on SARAL portal the application would stand submitted to Sub Divisional Officer (Animal Husbandry) of the concerned Sub Division who would examine the application and if found not in order the same would be rejected. However, if application is found in order then the Sub Divisional Officer (Animal Husbandry) would accept the application online and the print-outs of the same would be taken alongwith enclosures. Within three working days of acceptance of online application of the applicant, Sub Divisional Officer (Animal Husbandry) would intimate and ask concerned Veterinary Surgeon, I/C Government Veterinary Hospital for verification of the breed of buffalo of the applicant in the format annexed as Annexure-I after receipt of which the Veterinary Surgeon would report to Sub Divisional Officer (Animal Husbandry) within a week in the format annexed as Annexure-II. After receipt of breed verification report

from Veterinary Surgeon; the Sub Divisional Officer (Animal Husbandry) would intimate the Deputy Director of concerned district and request for fixing date and venue of milk recording in the format annexed as Annexure-III. Deputy Director of concerned district would write to Committee and the applicants intimating date and venue of Milk Recording in the format annexed as Annexure-IV.

Field performance recording for production performance

Identification of bull mothers and their categorization according to production potential is the preferred strategy under our conditions where record keeping by farmers is totally missing. The present practice of recording the peak milk production at a Public Institution (in full public view) following a prior notice of one/two weeks by the following committee would continue, however, as to arrive at lactation yield milk recording by Veterinary Livestock Development Assistants of concerned Government Veterinary institution, who would act as milk recorders, would be started from 5 to 25 days of calving of the buffalo. The committee for recording peak milk yield of the buffaloes would be as follows-

- i. Deputy Director, Animal Husbandry or his representative not below the rank of Sub Divisional Officer (AH)
- ii. Semen Bank Officer/any Veterinary Surgeon deputed by Deputy Director
- iii. Area Veterinary Surgeon
- iv. Representative of Village Panchayat- Sarpanch or Ward Member

Only the animals possessing true breed characteristics will be allowed to participate in the performance recordings. Milk production shall be recorded for four consecutive timings (Morning and Evening) and an average of the last three milking would be counted for calculation of the peak yield in the format annexed as Annexure-V. The first recording would be treated as “Emptying/Stripping milk yield”.

If the buffalo of an applicant qualifies for any of the slabs of milk yield then the applicant would have to submit a Self-Declaration to the Committee in the format annexed as Annexure-VI undertaking for not selling the recorded buffalo and its progeny for atleast one year; and also that the Animal Husbandry & Dairying Department, Haryana shall have the first right to purchase the progeny (male calf) of the recorded buffalo alongwith other conditions as required under the Scheme.

To arrive at more reliable lactation yield of buffalo, the milk recording by Veterinary Livestock Development Assistant of concerned Government Veterinary institution would start from 5 to 25 days of calving of the buffalo and thereafter monthly recordings would continue. After the milk recording by the Committee, monthly recordings of milk yield would continue by Veterinary Livestock

Development Assistant of concerned Government Veterinary institution. The concerned Government Veterinary Hospital would be responsible for maintaining complete records of such monthly milk recordings which would be monitored by the officers of the Department.

Identification of top milk yielding Murrah buffaloes and their progeny

Immediately after the performance recording (4th milking) at a Public institution, the buffaloes meeting the production bench mark of 18 kg milk (peak yield per day) and their accompanying progeny (calf at foot) would be identified through ear tagging and a proper record would be maintained by the concerned Government Veterinary Hospital. A copy of all records in the form of a booklet for each animal will be given to the owners who will be encouraged to maintain and update the production, reproduction and health records with the help of area veterinarian/ para staff/ milk recorders. The records will be pooled and compiled at the levels of sub division, district and headquarters and all data will be computerized.

Verification of Buffalo after one year of Peak Milk Recording

After one year of peak yield recording by the Committee the recorded buffalo would be physically verified by the Veterinary Surgeon of concerned Government Veterinary Hospital and Verification Certificate would be submitted to Deputy Director of the district in the format annexed as Annexure-VII. After receipt of the Verification Certificate the Deputy Director of the district would release incentive money in the bank account of the beneficiary.

Provision of Publicity and Mobility under the Scheme

Block Level Extension Officer (B.L.E.O.) shall be responsible for wider publicity of the Scheme in the concerned block. The B.L.E.O. shall identify and encourage the owners of quality Murrah buffaloes for applying under the Scheme and also assisting them in online application submission on SARAL portal.

Veterinary Surgeon and Veterinary Livestock Development Assistant of the area will also be responsible for publicity of the Scheme in areas under their jurisdiction. The livestock owners would be provided information and encouraged during various Health Care Camps, Kisan Gosthis etc. for availing benefit under the Scheme.

Publicity and Extension Branch at Headquarter would be responsible for wider publicity and extension of the Scheme through printing of pamphlets, booklets and through other extension materials. This being a scheme for welfare of

farmers and for development and conservation of Murrah buffaloes, an extensive and wide publicity is required for which a sum of Rs. 10.00 lac is being provided for the year 2018-19 for printing of publicity material etc. by Publicity and Extension Branch at headquarter.

Cash flow Requirement as per Roll Out Plan:-

The lactation yield of each identified Murrah buffalo will be calculated initially on the basis of peak production. Subsequently, cumulative monthly milk recordings will also be taken into account for more accurate assessment of the lactation yield. Cash incentive at the following rates in different slabs would be provided to the owners of the recorded buffaloes:

Slabs of Lactation yield in Kg (Peak Yield in Kg)	Incentive Money (Rs.)
3600 to 4400 Kg (18 to 22 Kg)	Rs. 15,000/-
>4400 to 5000 Kg (>22 to 25 Kg)	Rs. 20,000/-
Above 5000 Kg (Above 25 Kg)	Rs. 30,000/-

In lieu of the cash incentive provided, the owner would be under obligation not to sell the recorded buffalo and its male progeny at least for one year. The beneficiary would be further bound to look after the male calf properly and the Department will have the first right to purchase it. In case, the beneficiary does not abide by the contract i.e. disposes of the identified buffalo and/or its male calf, he would not be eligible for the cash incentive. The owners of the recorded buffaloes would be required to breed their animals through artificial insemination.

District wise Targets

District wise Target for the Scheme Integrated Murrah Development Project for the year 2018-19 (N)		
Sr. No.	Name of District	Annual Target
1	Ambala	0
2	Bhiwani	100
3	Ch. Dadri	55
4	Faridabad	15
5	Fatehabad	35
6	Gurugram	10
7	Hisar	150
8	Jhajjar	100
9	Jind	60
10	Kaithal	10
11	Karnal	17
12	Kurukshetra	25
13	Mahendergarh	60
14	Mewat	2
15	Palwal	5
16	Panchkula	0
17	Panipat	15
18	Rewari	22
19	Rohtak	82
20	Sirsa	40
21	Sonipat	44
22	Yamuna Nagar	3
	Total	850

***Note:-** This target would not restrict milk recording of more buffaloes if otherwise found eligible. The benefit under the Scheme is not to be denied to any eligible owner of Murrah buffalo simply because of the reason of achievement of cent-percent targets.*

(Format for intimation to Veterinary Surgeon for Verification of breed)

No. Date

From

Sub Divisional Officer (AH)
Animal Husbandry & Dairying Department
Sub Division

District

To

Veterinary Surgeon
Government Veterinary Hospital

District

**Subject- Verification of breed of buffalo for participation in Milk recording
under the Scheme for Integrated Murrah Development Project**

Memo

In reference to the subject cited above it is to intimate that following applicants have applied online for participation of their buffaloes in Milk Recording.

(Name and Addresses of Applicants)

You are hereby requested to inspect and submit your report within one week whether these buffaloes are true to Murrah Breed so that these could be allowed in the Milk Recording.

Sub Divisional Officer (AH)
Animal Husbandry & Dairying Department
Sub Division

District

(Format for report of Veterinary Surgeon for Verification of breed)

No.

Date

From

Veterinary Surgeon
 Government Veterinary Hospital
 District

To

Sub Divisional Officer (AH)
 Animal Husbandry & Dairying Department
 Sub Division
 District

Subject- Verification of breed of buffalo for participation in Milk recording under the Scheme for Integrated Murrah Development Project

Memo

In reference to your letter No. dated on the subject cited above it is to intimate that I inspected buffaloes of following applicants on(date)..... who have applied online for participation of their buffaloes in Milk Recording.

Sr. No.	Name and Addresses of Applicants	Whether the buffalo of the applicant is true to Murrah breed (Yes/No)	Tag No. of Buffalo, if already tagged	Sex of calf on foot (Male or female)	Any other remarks

Veterinary Surgeon
 Government Veterinary Hospital
 District

(Format for request to Deputy Director for fixing date and venue of Milk Recording)

No. Date

From

Sub Divisional Officer (AH)
Animal Husbandry & Dairying Department
Sub Division

To

Deputy Director
Animal Husbandry & Dairying/ICDP
District

Subject- Fixing date and venue for Milk recording under the Scheme for Integrated Murrah Development Project

Memo

In reference to the subject cited above it is to intimate that following applicants applied online for participation of their buffaloes in Milk Recording and concerned Veterinary Surgeon has verified buffaloes of these applicants true to Murrah breed-

(Name and Addresses of Applicants)

You are hereby requested to kindly fix date and venue of Milk recording of these buffaloes as required under the Scheme of Integrated Murrah Development Project at the earliest.

Sub Divisional Officer (AH)
Animal Husbandry & Dairying Department
Sub Division

(Format for intimation to Committee for Milk Recording)

No.

Date

From

Deputy Director
Animal Husbandry & Dairying/ Intensive Cattle Development Project
District

To

(Names and Addresses of Committee Members)

Subject- Fixing date and venue for Milk recording under the Scheme for Integrated Murrah Development Project

Memo

In reference to the subject cited above it is to intimate that following applicants applied online for participation of their buffaloes in Milk Recording and concerned Veterinary Surgeon has verified buffaloes of these applicants as true to Murrah breed-

(Name and Addresses of Applicants)

It has been decided to hold Milk Recording for buffaloes of above mentioned applicants from to at(venue).....You, being a member of the Committee, are hereby requested to kindly conduct the Milk Recording as per schedule and submit necessary reports.

Deputy Director
Animal Husbandry & Dairying/
Intensive Cattle Development Project
District

Copy to applicants with the request to bring the buffaloes for Milk Recording

(Format for records of milking and calculation of Peak Yield of Buffalo under the Scheme of Integrated Murrah Development Project)

Details of Milk Recording

1. Venue of Milk Recording
2. Ear Tag Number of Buffalo
3. Date of Calving of buffalo
4. Sex of calf at foot (Male/Female)
5. Ear Tag Number of calf

	Emptying/ Stripping Milking	First Milking	Second Milking	Third Milking
1	2	3	4	5
Date				
Time				
Milk yield in Kg.				

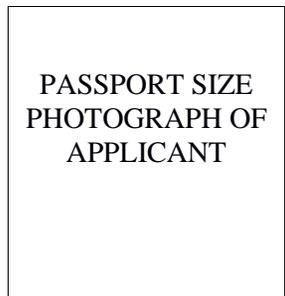
Total of Column 3, 4 and 5 above (in Kg.)

Calculated Peak yield of the buffalo

Date:

Signature, Name and Designation of Committee Members

Self Declaration by Applicant



I, S/o, D/o, W/o resident of
..... solemnly declare as under-

1. that I am a permanent resident of the State of Haryana.
2. that my buffalo Tag No. has participated in Milk Recording held from to at
3. that I undertake not to sell my recorded buffalo and its progeny for one year from date of milk recording.
4. that the Animal Husbandry & Dairying Department, Haryana shall have the first right to purchase the progeny (male calf) of the recoded buffalo.
5. that I shall abide by all the directions of Animal Husbandry and Dairying Department, Haryana regarding livestock insurance, breeding, managerial practices etc.
6. that I shall abide by all the terms and conditions as required under the Scheme for Integrated Murrah Development Project being implemented by Animal Husbandry and Dairying Department, Haryana.
7. that if at any stage it is noticed by the Department that I have violated any terms and conditions of the Scheme or have provided wrong information, I shall be liable to return all the financial assistance provided to me by the Department and shall stand debarred from any financial assistance under any other Scheme being implemented by the Department in future.

Date-

Signature of Applicant
Name and Address of Applicant

Certificate of Verification of Buffalo

It is hereby certified that the buffalo (Tag No.) of Sh./ Smt. S/o, W/o resident of, who is a beneficiary under the Scheme for Integrated Murrah Development Project being implemented by Animal Husbandry and Dairying Department, Haryana, was inspected today on(date)..... The said buffalo is available/not available with the beneficiary. The said buffalo was recorded on and the peak yield of the buffalo was recorded Kg. Further, the calf (Tag No.) is also available/ not available with the beneficiary.

On inspection of the recorded buffalo, the undersigned recommend/ do not recommend for release of incentive to the beneficiary.

Date-

Signature

Name
Veterinary Surgeon
Government Veterinary Hospital
Sub Division
District

No.

Date

Forwarded to Deputy Director, Animal Husbandry & Dairying/Intensive Cattle Development Project, District for further necessary action.

Signature

Veterinary Surgeon
Government Veterinary Hospital
Sub Division
District

No.

Date

Forwarded to Sub Divisional Officer (Animal Husbandry), Sub Division District for further necessary action.

Signature

Veterinary Surgeon
Government Veterinary Hospital
Sub Division
District