The general practices adopted by most of the tribes for rearing of Narmada. Nidth birds without provision of supplementary feeding however some farmers provid kitchen waste, grains or feedwaste, and what so over available waste material of feed and vegetable sources. Narmada Nidth under free range easily pick up its food from the backyard once it learns to excurage in the feed. Additional feed supplementation requirement depends on the availability of scarange area vegetation, waste grain resects, grass seed etc. Birds generally fulfill their protein requirement through scarvenging, it to also very fond of loafy vegetables like methi, palak, cholas, patharchata, legumnons leaf stc. Therefore grain supplementation (wheet, jowar, onaize, broun dec, lorra always beneficial for better production performance. Recovered in Carmete, of villages maintaining these birds only for meat purpose under intersive and semi-intensive system can provide commercial available broiler food for better early growth. For laying of aggs single/community nest made up of wooden/earthen / galvarized iron For laying of eggs single/community nest made up of wooden/earthen/galvay shearized iron sheet with provision of hole should be used. One single nest is sufficient for 3-4 hens. For egg production to avoid breakage of egg supplementation of celekium sources like shell gitt, stone girt, Imestone, DCP powder. @ 3-4 g/bint/day during laying phase is

Housing is required for night shelter and protection from rains , predators.

About 1.5 to 2 Sq. it. floor space is required per bird. Most of the farmers tribals maintaining these birds are resource poor farmer, having small holding. They provide maintaining frees ariss are resources poor termen, relaining small relaining. They provide basic housing as small Death to protect the birds from change of weather (heat, rain, oold, productors during night) such facility is created by using bemboo, wasto wood of other available materials. Dacha must have the provision of small entry gate, bambaoo ventilation, where mash ventilation and roof covered with bamboo, local files, dry leaves or asbestos sheet may be used Periodic cleaning and spraying is needed from health point of view. Locally available materials like rice husks, ground nut hulls, wood shaving etc. can be used as bedding material and always keep it of

followed to protect the Narmada Nichi birds against infectious diseases. The most important diseases that affect Narmada Nidhi in free range is Panikhet disease. So give vaccination against Rankhet disease at 6 month interval by adopting cold chain. There is a possibility of parasitic infestation in birds so deworming at 2-3 month interval is required under free range condition. Periodically cleaning of Dadba, shed is necessary to protect form coccidiosis. Preventive dose of coccidiostat may be given between 4-6 weeks' age and curative dose during coccidiosis disease





## Performance of Narnadanidhi birds (Dual purpose Colour Bird)

Economic Trnits.			Performance	
➤ Day old chick weight (g)				38
➤ Body weight at 8wks of age (g)	Free range		350	605 - 765
	Intensive			860-1172
➤ Body weight at 20 wks age(g)	Free range	(M)		1550
	3	(F)		1314
	Intensive	(M)		2247
		(F)	-	1710
	Free range	(M)		2310
	The source of the same	(F)	-	1650
	Intensive	(M)	12	2650
		(F)	120	1860
➤ Age at sexual maturity	Intensive	0.50,50		161
► Av.eag weight				50.2a
➤ Annual egg production	Free range			181
	Intensive			223

Fertile aggs, day old chick, one month old chicks are available at All India coordinated Research project on Poultry Breeding, Dept. Poultry Science, LSF Achartal, College of Vetry Sci. 8. A.H. Jabalpur on payment basis. For effective communication it is requested to give the contact telephono/mobile number of customer. After receiving the advance (Partial Full), department will intimate the likely date of the supply of chick, the customer are required to arrange for lifting the chicks from the hatchery of the Project/Department.





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ON POULTRY BREEDING
DEPARTMENT OF POULTRY SCIENCE
COLLEGE OF VETERINARY SCIENCE & ANIMAL HUSBANDRY,
tanaji Dashmukh Veterinary Selence University, JABALPUR - 482004 (M.F.)

# NARMADANIOHE (Dual purpose coloured Bird.) for backyard, rural and tribal areas Poultry farming

Suitable for backyrard, rural and tribal areas Poultry farming.

Poultry are inseparable from mankind whether in urban sturies or in rural scenario, not to speak of tribal areas and backyrard hard and whether in urban sturies or in rural scenario, not to speak of tribal areas and backyrard hard normanial with these hardy birds managing themselves most of the lines in a set patient, neturing fathiotily borne for the rural policy and the properties of the properties of the properties of the lines in a set patient, neturing fathiotily home for the rural landing syning age; attorne.

In committee the properties of the pr

Mandia (57 23%)
As for as Machya Pradesh is concerned the proportion of rural Pouttry in nearly about 52% of the total Pouttry Population of the state. Still majority of pouttry birds are maintained under backyard/free range system in M.P. by the tribal's and rural Pouttry.

tarmers.

All India coordinated Research Project on Poultry Breeding Deptt of Poultry Science, College of Veterinary Science and Animal Husbandry, Nanaji Deshmukh Pashu Chikista Vilgan Vistru-A-Vityalaya, Jaabapur has developed a dual purpose solour chicken Veretry (replice of deshfowl) is. Narmada Nidhi which resemble to desi exivinative chicken in appearance but having higher production potential under backyard, free rangs seavenging, semi intensive menagement system provides both meet (better growth at early age) and eggs 4f times more than desifowl), thrive well and adapted to harsh climatic condition and well acceptable in remote areas.

### Salient Features of 'Narmadanidhi'

- . It has very attractive multi colour plumage pattern (brown, black, grey, mixed) and
- personanty.

  Due to long sharik, upright leanear appearance, strong body conformation move faster in free range for scavenging and also protect themselves from produtors.

  It easily adapts the rural environments, so suitable in backyard and small scale Poultry

- It easily adapts the rural environments, so sureaum in everyors and a system.

  Survive better in sub-optimal ruistion and management.

  Produces brown shell egg as desh, not in higger size (\$0.2g) testy as these birds are dependent constant feed from the surrounding.

  Feater growth retor make attained I kig body weight in 9-10 weeks of age. Acult 20 weeks b. wt. engled from 1550 to 2210 pin males and 1310 to 1730g in females.

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  As birch having 25% inheritance of netive i.e. local breed Kadaknath and 75% of improved broiler germplasm (Jebselpur cot). Well know for high suitebility and adaptability under rural management system.

  Dual purpose cot, bird "Narmack Nich" is thus and outcome of specific breeding approaches aiming to utilize meanimum hereforeids, higher potential in the progeny.

### Rearing and Management of Narmadanidhi

Rearing and Management of Narmodanidhi

Breding of chicks: A newly hatched chicks has not developed the thermoregulatory mechanism fully and takes about 2 weeks to develop this mechanism and homeostasis. Therefore they cannot maintain the body temperature properly for the list weeks of line and may be subjected to the chilling. If not properly taken care of Narmada Nichi chicks need brooding during the initial 4 weeks of age to maintain the required body temperature. Artificial heat can be provided by bubs, infra red bubse, heat could be to be a subjected to the child of the provided by bubs, infra red bubse, heat could be redefined and the child of the child

### Feeding:

Balanced food fortified with required minerals, vitamins, antimicrobial and anticoccidial should be fed ad- lib during first 4 weeks of age for optimum growth performance. The clet can be formulated using the locally available feed ingredients like broken rice, jowar, mazer, regi, bajre, korns are de ae energy source and soxyabean, surflower, ground nut cake as protein source. Chick ration which is available commercially can also be fed during initial 4 weeks of age. It is important to ensure easy access of feed to all the birds and offer feed daily. These chicks need about 17% protein and 2500 ME kcell kg of feed in clief.

During initial brooding period (4 weeks age) the chicks of Narmadanidhi must be vaccinated against Marek's, Ranikhet and IBD diseases.

### Table :- Vaccination Schedule for Narmadanidhi

Age (days)	Name of vaccine	strain	Dosage	Route
Day old	Marek's Disease	HVT	0.2 ml	S/c Injection
7-10	Ranikhet	F1/B1	one drop	VN or VO
14	InfectiousBursal disease	IBD Living mild	one drop	VN or VO
28	Ranikhet	Lasota		Drinking water.

### Free Range Management :-

After 4 to 6 weeks age chicks can be let free during day time for scaverging in the backyard surroundings of the home to rear the chicks (10 and above) depending on the availability of natural feed in the area. During night they return in the house and are keptin night-helber.

As this is the duel purpose bird, the males can be sold at any time after attaining the suitable /minimum or market body weight. At 8 weeks of age makes on an average generally attain 750g body weight in free range 860g in cerni intensive and 1170g in intensive system of management. Whereas adult male attained 2300 to 2500g b wit under rural management condition depending on the availability of natural feed. The female of Namaca in Wishi produces 181 brown eggs of 50g weight annually under free range conditions.

