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**RPF I**

**PROFORMA FOR SUBMISSION OF RESEARCH PROJECTS  
PART-I: GENERAL INFORMATION**

- 200** Project Code
- 2001 Institute code No. AE 2.4.1
- 2002 ICAR Code No. -
- 201** Name of the Institute and Division
- 2011 Name and address of Institute IGFRI, JHANSI-284003
- 2012 Name of Division/ Section Farm Machinery & Post Harvest Technology (FM&PHT) Division
- 2013 Location of project FM&PHT Division
- 202** Project Title
- Studies on post harvest practices, transport and storage system of feed and fodder resources under different climatic situation in India**
- 203** Priority Area Survey of traditional practices
- |      |                   |                 |              |                                   |                           |
|------|-------------------|-----------------|--------------|-----------------------------------|---------------------------|
| 2031 | Research approach | Applied Res 01. | Basic Res 02 | Process/Technology Development 03 | Transfer of Technology 04 |
|------|-------------------|-----------------|--------------|-----------------------------------|---------------------------|
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- 204** Specific Area Indigenous traditional knowledge
- 2041 Previous project/projects in this specific area (Year, type of funding, cost etc.) -
- 205** Duration 5 years
- 2051 Date of start January 2007
- 2052 Likely date of completion December, 2011
- 206** Total cost of the project Rs. 13,53,500
- 2061 Foreign exchange component (if any) Nil
- 207** **Project profile summary**
- Drying, storage, material handling and transportation etc. are basic unit operations involved in establishing a fodder bank. These operations influence the total fodder production and its fruitful utilization both in terms of quantity and quality due to poor management causing a lot of wastage. More over, crop residues, grasses and fodder crops being voluminous (40-70 kg/m<sup>3</sup>) in nature restricts their economical and faster transportation from surplus to deficit areas and need larger space for their storage. Surrounding environment also results into loss of quantity and nutritional quality. This study is therefore taken up to identify suitable methods of different post-harvest operations and develop a data bank on techniques and technologies for establishing fodder bank in the country through survey of traditional post harvest activities of different crop residues/fodders/grasses. Similar approach was used by Mamun et.al. (2002) for surveying the existing practices of storing rice straw in Bangladesh and quantifying the losses. They suggested to improve storage system with gable type tin shed and raised slate about 1½ ft height from the ground. A total of 1520 sampling units will be surveyed in all 19 agro-ecological regions of the country using a pre-designed questionnaire. Feed samples will be collected for each unit operation for nutritional analysis and correlating them with weather parameters during storage.
- 208** **Key words:** post harvest operations, fodder bank, storage, grasses, crop residues.

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## PART-II : INVESTIGATOR PROFILE

**210 Principal Investigator,**

**2101 Name** Dr. P. K. Pathak  
**2102 Designation** Senior Scientist  
**2103 Division/Section** FM&PHT  
**2104 Location** FM&PHT  
**2105 Institute Address** IGFRI, JHANSI-284003, Uttar Pradesh

**211 Co-investigator**

**2111 Name** Dr. P. N. Dwivedi  
**2112 Designation** Senior Scientist  
**2113 Division/Section** FM&PHT  
**2114 Location** FM&PHT  
**2115 Institute Address** IGFRI, JHANSI-284003, Uttar Pradesh

**212 Co-investigator**

**2121 Name** Mr. T.A. Khan  
**2122 Designation** Senior Scientist  
**2123 Division/Section** GSM Division  
**2124 Location** GSM Division  
**2125 Institute Address** IGFRI, JHANSI-284003, Uttar Pradesh

**213 Co-investigator**

**2131 Name** Dr. J.B. Singh  
**2132 Designation** Senior Scientist  
**2133 Division/Section** CP Division  
**2134 Location** CP Division  
**2135 Institute Address** IGFRI, JHANSI-284003, Uttar Pradesh

**214 Co-investigator**

**2141 Name** Dr. S. Radotra  
**2142 Designation** Senior Scientist  
**2143 Division/Section** RRS, Palampur  
**2144 Location** RRS, Palampur  
**2145 Institute Address** RRS, IGFRI, Palampur

**215 Co-investigator**

**2151 Name** Dr. N. Biradar  
**2152 Designation** Senior Scientist  
**2153 Division/Section** RRS Dharwad  
**2154 Location** RRS Dharwad  
**2155 Institute Address** RRS, IGFRI, Dharwad, Karnataka

**216 Co-investigator**

**2161 Name** Mr. R.P. Nagar  
**2162 Designation** Scientist (SS)  
**2163 Division/Section** RRS Avika Nagar  
**2164 Location** RRS Avika Nagar  
**2165 Institute Address** RRS, IGFRI, Avika Nagar

