

## Data Collection Format for Ag-DSM)

<b>Feeder Name</b>	:	<b>Date</b>	:
<b>Name of Farmer</b>	:	<b>Village</b>	:
<b>Connected HP / Sanctioned Demand</b>	:	<b>Metering Status</b>	:
		<b>Pump Code No</b>	:

### A : GENERAL FIELD DATA

<b>Pump Location</b>	:	Well Mounted	Borewell Pump	On River Bed	(Mark $\checkmark$ on Appropriate Location)
<b>Type of Drive</b>	:	Flexible Coupling	Mono Block	Submercible	(Mark $\checkmark$ on Appropriate Location)

### Motor - PumpSet Specifications

Make	:	Model No	:	Motor Size	:	HP/kW		
Type of Pump	:	Motor Efficiency	:	%	Pump Efficiency	:	%	
Motor Connection	:	Overall Efficiency	:	%	Insulation Class	:		
RPM	:	Max Current	:	A	Impeller Dia.	:	mm	
Total Head	:	m	Head Range	:	m	Discharge Flow	:	m <sup>3</sup> /hr

### B : OBSERVATION DATA

#### Motor Observations

<b>Motor I / P Power</b>	Voltage (V)	V <sub>RY</sub> :	V <sub>YB</sub> :	V <sub>BR</sub> :	V <sub>Avg</sub> :	
	Current (A)	I <sub>a</sub> :	I <sub>b</sub> :	I <sub>c</sub> :	I <sub>avg</sub> :	
	Power Factor					
	Input Power (kW)	(By Calculation)				

#### Pump Observations

Well/Bore Depth	:	m	Depth of Pump Installation	:	m	Depth Water Table	:	m
Suction Diameter	:	mm	Suction Length	:	m	Suction Head	:	m
Delivery Diameter	:	mm	Delivery Length	:	m	Delivery Head	:	m
Types and Number of Bends and Valves in Delivery Pipe								
Types and Number of Bends and Valves in Suction Pipe								
Foot / Reflex Valve Type								
Water Volume Accumulated in Bucket	:	m <sup>3</sup>	Time Taken in Filling Bucket	:	Sec			
Actual Pump Discharge	:	m <sup>3</sup> / hr	(By Calculation)					

#### Other Observations

<b>Type of Piping</b>	GI Pipe	PVC Pipe	Flexible GI	PVC Flexible Pipe	(Mark $\checkmark$ on Appropriate Location)	
Land for Cultivation in Acres	:	Types of Crops being taken			:	
Duration of Harvesting Cycle	:	No. of Harvesting Cycles			:	
Seasonal Water Level Variation		Pump Operating hrs/day		Area Under Crops / Irrigation		
Summer	:	m	Summer	1	:	m <sup>2</sup>
Monsson	:	m	Monsson	2	:	m <sup>2</sup>
Winter	:	m	Winter	3	:	m <sup>2</sup>

### Data Collection Format for Ag-DSM

Sr. No	Information Parameter	Comment/Remark
1	Is Motor Rewound, If yes then how many times rewind	
2	What is the frequency of priming for the pump?	
3	Installation of Pump set (Fixed / Partly Fixed)	
4	Is earthing provided?	
5	Particulars of Pump Installation	
	a Year of erection of pump set	
	b Use of Motor Auto -Starter (Yes / No)	
	c Adequacy of protection equipments / Fuse Block	
6	Geographical position of Pump Location: Latitude Longitude	
7	What is frequency of foot valve blockage?	
8	Is water getting exhausted during extraction of water by pump? If yes, what is the time required to retain original water level?	
9	Any illegal electrical connection found?	
10	Any major water leakage found from pipe or motor-pump coupling ?	
11	If meter is provided, is meter found working properly?	
12	Any replacement of pump is done since from date of connection	
	a If yes, give pump replacement details:	
	b No. of pump replacement done	
	c Rating before the replacement of pump	
13	Draw layout showing location of well, field and borewell.	

Sr. No	Additional Observations
1	
2	
3	
4	
5	
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