## **Data Collection Format for Ag-DSM)**

Feeder Name	:			Date	:
Name of Farmer	:			Village	:
Connected HP / Sanctioned Demand	:	Metering Status	:	Pump Code No	:
A : GENERAL FI	ELD DATA				
Pump Location	:	Well Mounted	Borewell Pump	On River Bed	(Mark  v on Appropriate Location)
Type of Drive	:	Flexible Coupling	Mono Block	Submercible	(Mark √on Appropriate Location)
Motor - PumpSet Sp	pecifications				
Make	<u> </u> :	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	: m³/hr
Motor I / P Power			V <sub>YB</sub> :	V <sub>BR</sub> :	V <sub>Avg</sub> :
Motor Observations  Motor I / P Power		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	I <sub>a</sub> :	I <sub>b</sub> :	l <sub>c</sub> :	· · ·
	` '	l <sub>a</sub> :	I <sub>b</sub> :	I <sub>c</sub> :	(By Calculation)
Pump Observations	Power Factor		I <sub>b</sub> :		1 -
Pump Observations Well/Bore Depth	Power Factor	Depth of Pump	: m	I <sub>c</sub> :	1 -
Well/Bore Depth Suction Diameter	Power Factor Input Power (kW)	Depth of Pump Installation Suction Length		Depth Water Table Suction Head	(By Calculation)
Well/Bore Depth Suction Diameter Delivery Diameter	Power Factor Input Power (kW)  : m  : mm  : mm	Depth of Pump Installation Suction Length Delivery Length	: m	Depth Water Table	(By Calculation) : m
Well/Bore Depth Suction Diameter Delivery Diameter Types and Number o	Power Factor Input Power (kW)  : m  : mm  : mm  f Bends and Valves in	Depth of Pump Installation Suction Length Delivery Length	: m	Depth Water Table Suction Head	(By Calculation)  : m : m
Well/Bore Depth Suction Diameter Delivery Diameter Types and Number o Types and Number o	Power Factor Input Power (kW)  : m  : mm  : mm  f Bends and Valves in Bends and Valves in	Depth of Pump Installation Suction Length Delivery Length	: m	Depth Water Table Suction Head	(By Calculation)  : m : m
Well/Bore Depth Suction Diameter Delivery Diameter Types and Number o Types and Number o Foot / Reflex Valve T	Power Factor Input Power (kW)  : m  : mm  : mm  f Bends and Valves in type	Depth of Pump Installation Suction Length Delivery Length Delivery Pipe Suction Pipe	: m : m : m	Depth Water Table Suction Head Delivery Head	(By Calculation)  : m  : m
Well/Bore Depth  Suction Diameter Delivery Diameter Types and Number of Types and Number of Foot / Reflex Valve T Water Volume Accur	Power Factor Input Power (kW)  : mm : mm f Bends and Valves in Speed Spe	Depth of Pump Installation Suction Length Delivery Length Delivery Pipe Suction Pipe : : m³	: m : m : m : m	Depth Water Table Suction Head Delivery Head	(By Calculation)  : m  : m  : m
Well/Bore Depth Suction Diameter Delivery Diameter Types and Number o Types and Number o Foot / Reflex Valve T	Power Factor Input Power (kW)  : mm : mm f Bends and Valves in Speed Spe	Depth of Pump Installation Suction Length Delivery Length Delivery Pipe Suction Pipe	: m : m : m : m	Depth Water Table Suction Head Delivery Head	(By Calculation)  : m  : m
Well/Bore Depth  Suction Diameter Delivery Diameter Types and Number of Types and Number of Foot / Reflex Valve T Water Volume Accur	Power Factor Input Power (kW)  : mm : mm f Bends and Valves in Speed Spe	Depth of Pump Installation Suction Length Delivery Length Delivery Pipe Suction Pipe : : m³	: m : m : m : m	Depth Water Table Suction Head Delivery Head	(By Calculation)  : m  : m  : m
Well/Bore Depth  Suction Diameter Delivery Diameter Types and Number o Types and Number o Foot / Reflex Valve T Water Volume Accur Actual Pump Dischar	Power Factor Input Power (kW)  : mm : mm f Bends and Valves in Speed Spe	Depth of Pump Installation Suction Length Delivery Length Delivery Pipe Suction Pipe : : m³	: m : m : m : m	Depth Water Table Suction Head Delivery Head	(By Calculation)  : m  : m  : m
Well/Bore Depth  Suction Diameter Delivery Diameter Types and Number o Types and Number o Foot / Reflex Valve T Water Volume Accur Actual Pump Dischar	Power Factor Input Power (kW)  : mm : mm : mm f Bends and Valves in ype mulated in Bucket ge  GI Pipe	Depth of Pump Installation Suction Length Delivery Length Delivery Pipe Suction Pipe : : m³ : m³/1	: m : m : m : m : :	Depth Water Table Suction Head Delivery Head  ng Bucket  (I	(By Calculation)  : m  : m  : m  : Sec  By Calculation)
Well/Bore Depth  Suction Diameter Delivery Diameter Types and Number of Types and Number of Foot / Reflex Valve T Water Volume Accur Actual Pump Dischar  Other Observations Type of Piping	Power Factor Input Power (kW)  : mm : mm : mm f Bends and Valves in gee  GI Pipe in Acres	Depth of Pump Installation Suction Length Delivery Length Delivery Pipe Suction Pipe : : m³ : m³/1	: m : m : m : m : m : m : m : Time Taken in Filling	Depth Water Table Suction Head Delivery Head  ng Bucket  (I  PVC Flexible Pipe  ing taken	(By Calculation)  : m  : m  : m  : Sec  By Calculation)
Well/Bore Depth  Suction Diameter Delivery Diameter Types and Number of Types and Number of Foot / Reflex Valve T Water Volume Accur Actual Pump Dischar  Other Observations Type of Piping  Land for Cultivation in Duration of Harvesti	Power Factor Input Power (kW)  : mm : mm : mm f Bends and Valves in gee  GI Pipe in Acres	Depth of Pump Installation Suction Length Delivery Length Delivery Pipe Suction Pipe : : m³ : m³ / I  PVC Pipe :	: m : m : m : m : m : m : m : Time Taken in Filling	Depth Water Table Suction Head Delivery Head  ng Bucket  (I  PVC Flexible Pipe ing taken Cycles	(By Calculation)  : m  : m  : m  : Sec  By Calculation)
Well/Bore Depth  Suction Diameter Delivery Diameter Types and Number of Types and Number of Foot / Reflex Valve T Water Volume Accur Actual Pump Dischar  Other Observations Type of Piping  Land for Cultivation if Duration of Harvesti	Power Factor Input Power (kW)  : mm : mm : mm f Bends and Valves in Sends and Sends an	Depth of Pump Installation Suction Length Delivery Length Delivery Pipe Suction Pipe : : m³ : m³ / I  PVC Pipe :	: m : m : m : m : m : Time Taken in Filling.  Flexible GI Types of Crops be No. of Harvesting	Depth Water Table Suction Head Delivery Head  ng Bucket  (I  PVC Flexible Pipe ing taken Cycles	(By Calculation)  : m : m : m : Sec By Calculation)  (Mark v on Appropriate Location) : :
Well/Bore Depth  Suction Diameter Delivery Diameter Types and Number of Types and Number of Foot / Reflex Valve T Water Volume Accur Actual Pump Dischar  Other Observations Type of Piping  Land for Cultivation if Duration of Harvestin Seasonal Water	Power Factor Input Power (kW)  : mm : mm : mm f Bends and Valves in the series of the	Depth of Pump Installation Suction Length Delivery Length Delivery Pipe Suction Pipe : : m³/!  PVC Pipe : : Pump Opera	: m : m : m : m : m : Time Taken in Filling.  Flexible GI Types of Crops be No. of Harvesting	Depth Water Table  Suction Head Delivery Head  ng Bucket  (I  PVC Flexible Pipe  ing taken  Cycles  Area Under C	(By Calculation)  : m : m : m : Sec By Calculation)  (Mark V on Appropriate Location) : :
Well/Bore Depth  Suction Diameter Delivery Diameter Types and Number of Types and Number of Foot / Reflex Valve T Water Volume Accur Actual Pump Dischar  Other Observations Type of Piping  Land for Cultivation if Duration of Harvestif Seasonal Water Summer	Power Factor Input Power (kW)  : mm : mm : mm f Bends and Valves in permulated in Bucket and Second	Depth of Pump Installation Suction Length Delivery Length Delivery Pipe Suction Pipe : : m³ : m³ / I  PVC Pipe : : Pump Opera	: m : m : m : m : m : Time Taken in Filling.  Flexible GI Types of Crops be No. of Harvesting	Depth Water Table  Suction Head Delivery Head  Read  Read  PVC Flexible Pipe  ing taken  Cycles  Area Under C	(By Calculation)  : m : m : m : m : Sec By Calculation)  (Mark v on Appropriate Location) : : : : : : : : : : : : : : : : : : :

## **Data Collection Format for Ag-DSM**

Sr.	Information Parameter	Comment/Remark
No		
1	Is Motor Rewound, If yes then how many times rewound	
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	
а	Year of erection of pump set	
b	Use of Motor Auto -Starter (Yes / No)	
С	Adequacy of protection equipments / Fuse Block	
6	Geographical position of Pump Location:	
	Lattitude	
	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	
а	If yes, give pump replacement details:	
b	No. of pump replacement done	
С	Rating before the replacement of pump	
13	Draw layout showing location of well, field and borewell.	

Sr.	Additional Observations
No	
1	
2	
3	
4	
5	
6	
7	
8	
9	