



IRRIGATION DATA				
Irrigation System:		Drip		
Emitter Type:		Online		
Crop:		Custard Apple		
Crop Spacing (mxm):		3.04 X 3.04		
Lateral Spacing (m):		3.04		
Emitter Spacing (Mtr.):		1.52		
Emitter Discharge (LPH):		8		
No. of Laterals / Row:		1		
Water Requirement (mm/day):		6		
Irrigation Rate (mm/hr):		1.73		
Duration of One Operation (Hrs):		3.47		
Total Daily Duration (Hrs):		31.19		
Irrigation Interval (Days):		2		
Number of Shift:		9		
Maximum Flow (m3/hr):		27.87		
Water Source:		Well		
Available HP :		10		
Available Flow (m3/hr):		30.07		
Total Head (Mtr):		49.39		
Total Head (Feet):		162		
Available Flow (LPS)		8.35		
Pump Eff.(%)		55		
Discharge Variation (%):		10		
Size of Outlet:		3"		
SCHEME OF OPERATION FOR DRIP				
Shift Nos.	Valve No	Area (Ha)	Flow (cu m/hr)	Shift flow (cu m/hr)
1	V1	1.260	21.81	21.81
2	V2	1.130	19.56	19.56
3	V3	0.560	9.70	9.70
4	V4	1.110	19.22	19.22
5	V5	1.250	21.64	21.64
6	V6	0.360	6.23	6.23
7	V7	0.610	10.56	10.56
8	V8	1.610	27.87	27.87
9	V9	0.850	14.72	14.72
Total		8.740	151.32	151.32

Employee Sign:

Farmer Sign:



Scale Of Design: 1:1000
GGRC Reg No.: 2021-RJT-
System: Drip
Crop: Custard Apple
Design By: H.R.BHUT

Farmer Name: Madhata Jadeja
Village: Isvariya
Taluka: Rajkot
District : Rajkot
Survey No: 290P1,290P2

LEGEND			
W/S			
Main Line			
Sub Main Line			
Valve			
Control Valve			
Area(Ha.)	8.03 Ha.		
H.U			