

Indicative Bill of Quantities (BoQ) for Portable Sprinkler Irrigation System

Using 63 mm coupler								
SN	Components/ Area (Ha)	Unit	0.4	1	2	3	4	5
1	HDPE Pipes with Quick coupled (Pipe of Class II; 3.2 kg/cm ² IS:14151 Part II 63 mm diameter & 6m long)	No	18	30	41	NA	NA	NA
2	Quick coupled HDPE 63mm Foot batten Assembly ;	No	3	5	9	NA	NA	NA
3	GI Riser Pipe 3/4" diameter x 75 cm long	No	3	5	9	NA	NA	NA
4	Sprinkler Nozzles (1.7 to 2.8 kg/cm ²) ;IS 12232 Part I Brass	No	3	5	9	NA	NA	NA
5	Quick coupled HDPE Bend with Coupler 90° (63/50 mm) ;	No	1	1	1	NA	NA	NA
6	Quick coupled HDPE Pump Connecting Nipple 63 mm;	No	1	1	1	NA	NA	NA
7	Quick coupled HDPE End Plug (63 mm) ;	No	1	2	2	NA	NA	NA
8	Quick coupled HDPE Tee with Coupler (63mm) ;	No	1	1	1	NA	NA	NA
Using 75 mm coupler								
SN	Components/ Area (Ha)	Unit	0.4	1	2	3	4	5
1	HDPE Pipes with Quick coupled (Pipe of Class I; 2.5 kg/cm ² IS:14151 Part II, 75 mm diameter & 6m long)	No	NA	30	41	NA	NA	NA
2	Quick coupled HDPE 75mm Foot batten Assembly;	No	NA	5	9	NA	NA	NA
3	GI Riser Pipe 3/4" diameter x 75 cm long	No	NA	5	9	NA	NA	NA
4	Sprinkler Nozzles (1.7 to 2.8 kg/cm ²) ;IS 12232 Part I Brass	No	NA	5	9	NA	NA	NA
5	Quick coupled HDPE Bend with Coupler 90° (75 mm) ;	No	NA	1	1	NA	NA	NA
6	Quick coupled HDPE Pump Connecting Nipple , 75 mm;	No	NA	1	1	NA	NA	NA
7	Quick coupled HDPE End Plug (75 mm) ;	No	NA	2	2	NA	NA	NA
8	Quick coupled HDPE Tee with Coupler (75 mm);	No	NA	1	1	NA	NA	NA
Using 90 mm coupler								
SN	Components/ Area (Ha)	Unit	0.4	1	2	3	4	5
1	HDPE Pipes with Quick coupled (Pipe of Class I; 2.5 kg/cm ² ; IS:14151 Part II, 90 mm diameter & 6m long)	No	NA	NA	NA	41	52	58
2	Quick coupled HDPE 90mm Foot batten Assembly ;	No	NA	NA	NA	11	14	16
3	GI Riser Pipe 3/4" diameter x 75 cm long	No	NA	NA	NA	11	14	16
4	Sprinkler Nozzles (1.7 to 2.8 kg/cm ²) ;IS 12232 Part I Brass	No	NA	NA	NA	11	14	16
5	Quick coupled HDPE Bend with Coupler 90° (90 mm) ;	No	NA	NA	NA	2	2	4
6	Quick coupled HDPE Pump Connecting Nipple, 90 mm;	No	NA	NA	NA	1	1	1
7	Quick coupled HDPE End Plug (90 mm) ;	No	NA	NA	NA	2	2	2
8	Quick coupled HDPE Tee with Coupler (90 mm);	No	NA	NA	NA	1	1	2

Indicative Bill of Quantities (BoQ) for Rain-gun Sprinkler Irrigation System

Using 63 mm coupler						
SN	Components/ Area (ha)	1	2	3	4	5
1	HDPE Pipes with Quick coupled (Pipe of Class 3; 4 kg/cm ² IS:14151 Part II 63 mm diameter & 6m long)	30	NA	NA	NA	NA
2	Raingun Sprinkler 1.25" female threaded connection	1	N.A	N.A	N.A	N.A
3	Tripod Stand with adapter to feeder line 1.25"x1.5 m	1	N.A	N.A	N.A	N.A
4	Quick coupled HDPE Bend with Coupler 900 (63/50 mm) ;	1	N.A	N.A	N.A	N.A
5	Quick coupled HDPE Pump Connecting Nipple 63 mm;	1	N.A	N.A	N.A	N.A
6	Quick coupled HDPE End Plug (63 mm) ;	1	N.A	N.A	N.A	N.A
7	Quick coupled HDPE Tee with Coupler (63mm) ;	1	N.A	N.A	N.A	N.A
8	By-pass Assembly - 2"x1,5"	1	N.A	N.A	N.A	N.A
Using 75 mm coupler						
SN	Components/ Area (ha)	1	2	3	4	5
1	HDPE Pipes with Quick coupled (Pipe of Class 3; 4 kg/cm ² IS:14151 Part II, 75 mm diameter & 6m long)	30	42	NA	NA	NA
2	Raingun Sprinkler 1.25" female threaded connection	1	1	N.A	N.A	N.A
3	Tripod Stand with adapter to feeder line 1.25"x1.5 m	1	1	N.A	N.A	N.A
4	Quick coupled HDPE Bend with Coupler 900 (75 mm) ;	1	1	N.A	N.A	N.A
5	Quick coupled HDPE Pump Connecting Nipple , 75 mm;	1	1	N.A	N.A	N.A
6	Quick coupled HDPE End Plug (75 mm) ;	1	1	N.A	N.A	N.A
7	Quick coupled HDPE Tee with Coupler (75 mm);	1	1	N.A	N.A	N.A
8	By-pass Assembly - 2"x1,5"	1	1	N.A	N.A	N.A
Using 90 mm coupler						
SN	Components/ Area (ha)	1	2	3	4	5
1	HDPE Pipes with Quick coupled (Pipe of Class 3; 4 kg/cm ² ; IS:14151 Part II, 90 mm diameter & 6m long)	NA	NA	45	52	60
2	Raingun Sprinkler 1.5" female threaded connection	N.A	N.A	1	1	1
3	Tripod Stand with adapter to feeder line 1.5"x1.5 m	N.A	N.A	1	1	1
4	Quick coupled HDPE Bend with Coupler 900 (90 mm);	N.A	N.A	1	1	1
5	Quick coupled HDPE Pump Connecting Nipple, 90 mm;	N.A	N.A	1	1	1
6	Quick coupled HDPE End Plug (90 mm) ;	N.A	N.A	1	1	1
7	Quick coupled HDPE Tee with Coupler (90 mm);	N.A	N.A	1	1	1
8	By-pass Assembly - 2"x1,5"	N.A	N.A	1	0	0
9	By-pass Assembly - 2 .5"x2"	N.A	N.A	0	1	1