



**Durga DTH drilling rig specification for all Model.**

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Durga Drilling rig	Technical Specification	Technical Specification	Technical Specification	Technical Specification	Technical Specification	Technical Specification
MODEL	DT - 700	DT - 1000.	DT - 1000. super	DT - 1000. speed star	DT - 2000.	DT - 2000 SUPER
Depth capacity	200 mtr	300mtr	300mtr	300 mtr	600mtr	600 mtr
1. Hydraulic Pump	45 /38 gpm. Yuken 15.8 gpm. Dowty	65 gpm. 2nos. 15.8 gpm.	65 gpm. 2nos. 15.8 gpm.	65 gpm. - 2 Nos. 15.8 gpm.	65 gpm. 2nos. 15.8 gpm.	65 gpm. - 2 Nos. 15.8 gpm.
2. Hydraulic cylinders ( wipro/ Dantel/durga)	Feed Cylinder -125mm M.R Cyl. - 100 mm levelling- 100mm- 4nos.	Feed Cylinder -160mm M.R Cyl. - 125 mm levelling- 125mm- 4nos.	Feed Cylinder -160mm M.R Cyl. - 125 mm levelling- 125mm- 4nos.	Feed Cylinder -160mm M.R Cyl. - 125 mm levelling- 125mm- 4nos.	Feed Cylinder -180mm M.R Cyl. - 125 mm levelling- 140mm- 4nos.	Feed Cylinder -200mm M.R Cyl. -125 mm -2nos. levelling- 140mm- 4nos.
3. Wire Rope	16 MM	37/6 20 mm.	37/6 20 mm.	37/6 20 mm.	37/6 20 mm.	37/6 20 mm.
4. Hydraulic Motor	OMT 315 – 1.	OMT 315 – 2.	OmT 315 – 2.	OMV 400-2	OMT 315 – 2.	OMV 400 – 2
5. Rotary Head	Special 120MM Design with two Bearing.	Special 120MM Design with threeBearing.	Special 120MM Design with threeBearing.	Special 120MM Design with threeBearing.	Special 140MM Design with threeBearing.	Special 140MM Design with threeBearing.
6. Rod Spanner	2 -7/8" - 2 Nos.	4 ½" - 2 Nos. 5 ½" - 2 Nos.	4 ½" - 2 Nos. 5 ½" - 2 Nos.	4 ½" - 2 Nos. 5 ½" - 2 Nos.	4 ½" - 2 Nos. 5 ½" - 2 Nos.	4 ½" - 2 Nos. 5 ½" - 2 Nos.
7. Adeptor	2- 7/8" - 1 No.	4 ½" - 1 No. 5 ½" - 1 Nos.	4 ½" - 1 No. 5 ½" - 1 Nos.	4 ½" - 1 No. 5 ½" - 1 Nos.	4 ½" - 1 No. 5 ½" - 1 Nos.	4 ½" - 1 No. 5 ½" - 1 Nos.
8. Rod Carrier	2- 7/8" - 1 No.	4 ½" - 1 No. 5 ½" - 1 Nos.	4 ½" - 1 No. 5 ½" - 1 Nos.	4 ½" - 1 No. 5 ½" - 1 Nos.	4 ½" - 1 No. 5 ½" - 1 Nos.	4 ½" - 1 No. 5 ½" - 1 Nos.
9. Centrulizer guide	2-7/8" - 1 No. 4 ½" - 1 No.	4 ½" - 1 No. 5 ½" - 1 Nos. 7 ½" - 1 Nos.	4 ½" - 1 No. 5 ½" - 1 Nos. 7 ½" - 1 Nos.	4 ½" - 1 No. 6 ½" - 1 No. 7 ½" - 1 Nos.	4 ½" - 1 No. 5 ½" - 1 Nos. 7 ½" - 1 Nos.	4 ½" - 1 No. 6 ½" - 1 No. 7 ½" - 1 Nos.
11. Control Valve	SM 18 Rexroth	IMPORTED ITALIAN	IMPORTED ITALIAN	IMPORTED ITALIAN	IMPORTED ITALIAN	IMPORTED ITALIAN
12. WATER PUMP	40 LPM CAPACITY	100 LPM CAPACITY	100 LPM CAPACITY	100 LPM CAPACITY	100 LPM CAPACITY	100 LPM CAPACITY
13. Capacity to drill	2" to 6 " bore hole	6" to 10 " bore hole	6" to 10 " bore hole	6" to 14" bore hole	6" to 10 " bore hole	6" to 14" bore hole
14. Pull up force	15000 Kg @ 150 bar	30000 kg @ 150 bar	36000 kg @ 150 bar	36000 kg @ 150 bar	42000 kg @ 150 bar	47000 kg @ 150 bar
15. Pull down force	10600 kg @ 150 bar	22600 kg @ 150 bar	26000 kg @ 150 bar	26000 kg @ 150 bar	30600 kg @ 150 bar	34800 kg @ 150 bar
16. Max. pull up speed	200 ft. / Minute.	150 ft / min	80 ft / min	80 ft / min	80Ft / min	80 ft / min
17. Max rotation torque	33,000 IN - ibs.	66000 In lbs	66000 In lbs	66000 in lbs	66000 In lbs	66000 in lbs
18. Max Rotation speed	0 to 100 rpm	0 to 100 rpm	0 to 100 rpm	0 to 100 rpm	0 to 100 rpm	0 to 100 rpm
19. mud pump	optional	optional	optional	optional	optional	optional
20. Centrifugal pump	optional	optional	optional	standard	standard	standard
21. Brake out cylinder	optional	standard	standard	standard	standard	standard
22. Winch	optional	optional	standard	standard	standard	standard
23. rod changer	optional	optional	optional	standard	standard	standard
24. welding generator	optional	optional	standard	standard	standard	standard
19. Mast load capacity	10 tons	18 tons	18 tons	25tons	30 tons	40 tons
20. suitable compressor	450 cfm 150 psi 600 cfm 200 psi	900 cfm 200 / 350 psi 1100 cfm/300 psi	900 cfm 200 / 350 psi 1100 cfm/300 psi	1100 cfm 300 /350 psi 1400 cfm 400 psi	900 cfm 200 / 350 psi 1100 cfm/300 psi	1100 cfm 300 /350 psi 1400 cfm 400 psi
Mast	8" channel mast. length- 27 ft. ( single wire rope)	10" channel mast length- 27 ft. single rope	10" channel mast length- 27 ft. double wire rope	10" channel mast length- 27 ft. double wire rope	12" channel mast length- 27 ft. DOUBLE rope	12" channel mast length- 27 ft. TRIPLE wire rope
Platform	8" bending paltform 5mm checker plate	10" bending plateform 5 mm checker plate	10" bending plateform 5 mm checker plate	10" bending plateform 5 mm checker plate	10" bending plateform 6 mm checker plate	10" bending plateform 6 mm checker plate

