

**GOEL
PIPES**

सालों साल बेमिसाल

SWAGED TUBULAR POLES (STP)

**LIGHTING THE WAY
WITH INNOVATION**



COMPANY OVERVIEW

Since inception, "**Shri Bajrang Power & Ispat**" has been a symbol of excellence in production of iron ore, steel, and steel products. As pioneers in the steel industry in central India, we embrace innovation to match global technological advancements. Today, under the leadership of **Shri Suresh Goel Ji**, "Shri Bajrang Power & Ispat Ltd" has become one of Central India's largest industrial houses. Our diversified portfolio includes iron & steel, mining, power, ferroalloys, fly ash bricks, digital marketing, education & media. Additionally, we take pride in contributing to society's needs by establishing a world-class school in central India, equipped with modern amenities to foster the overall growth of students.

SWAGED TUBULAR POLES (STPS)



With our rich history in steel industry for the last 33 years, we have recently ventured into production and supply of Swaged Tubular Poles (STP) - A true value addition to our ERW Pipes.

We manufacture Swaged Type Steel Tubular Poles from our own "GOEL ERW PIPES", which is known for delivering Quality products, We have state of the art European technology machines for manufacturing our products, all the products that are manufactured are made from 100% fully killed HR Coils with Direct forming tube technology (DFT).

Our Integrated Product Chain begins with the procurement of Hot Rolled Coils, conforming to IS : 10748, IS : 5986, IS : 2062 and other equivalent International Standards, as per Client's requirements. These HR Coils are then used for producing ERW Pipes conforming to IS : 1161 and then for Swaged Tubular Poles as per IS : 2713 (Part 1 to 3) : 1980

Facilities:

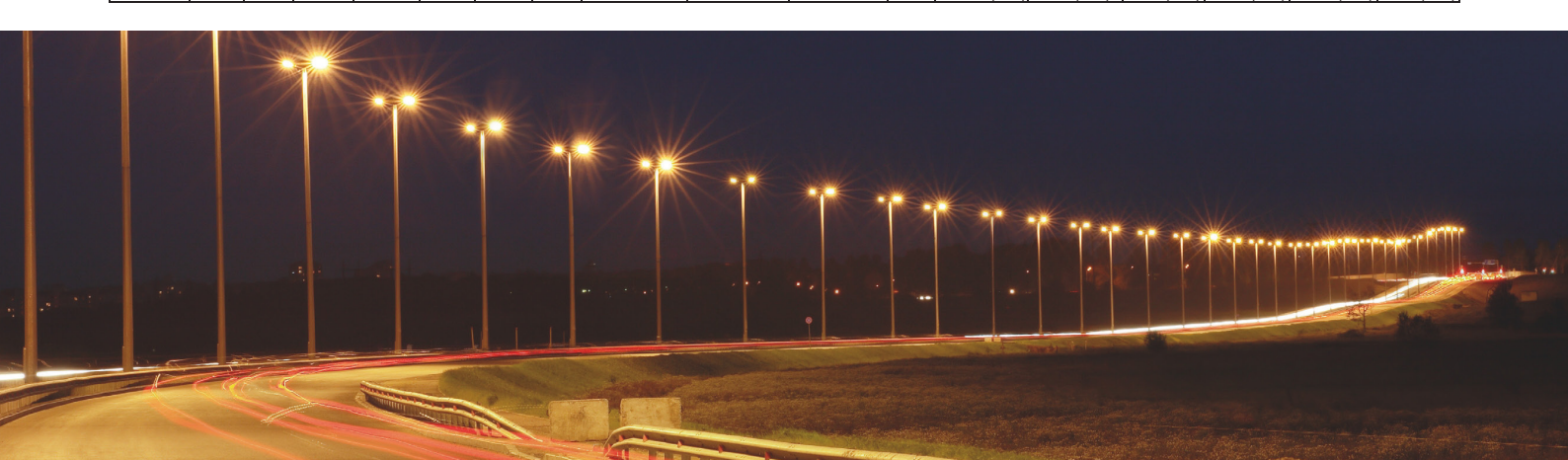
- Our manufacturing plant is equipped with state of art Swaging Machines and requisite nos. of Drilling, Welding and Straightening Machines.
- Our inhouse lab is equipped with latest testing facilities.
- We have modern technology hot dipped Zinc Galvanizing Tank, on which we only use special high-grade zinc (99.995%)

Product Range:

- We produce STPs up to the length of 16 Meters and thickness up to 6 MM, covering the entire range from 410 SP 1 to 410 SP 80 and 540 SP 1 to 540 SP 80.

SWAGED TYPE STEEL TUBULAR POLES CONFORMING TO IS: 2713/80

Designation	Overall Length	Planting Depth	Load Applied from Top at a Distance of	Height above ground H	Length of Sections			Outside diameter and Thickness of sections			Approx Weight of Pole	Breaking Load	Crippling Load	Working Load		Load for Permanent Set not Exceeding	Load for Temporary Deflection of
					Bottom h 3	Middle h 2	Top h 1	Bottom	Middle	Top				Col 14 2	Col 13 2.5		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(mm)	(mm)	(mm)	(kg)	N(kgf)	N(kgf)	N(kgf)	N(kgf)	N(kgf)	N(kgf)
410 SP-1	7.00	1.25	0.30	5.75	4.00	1.50	1.50	114.3 x 3.65	88.9 x 3.25	76.1 x 3.25	62	2570 (262)	1820 (186)	912 (93)	1013 (105)	1245 (127)	785 (80)
410 SP-2	7.00	1.25	0.30	5.75	4.00	1.50	1.50	114.3 x 4.50	88.9 x 4.05	76.1 x 3.25	73	3100 (316)	2240 (1224)	1100 (112)	1240 (126)	1510 (154)	941 (96)
410 SP-3	7.00	1.25	0.30	5.75	4.00	1.50	1.50	114.3 x 5.40	88.9 x 3.25	76.1 x 3.25	85	3630 (370)	2580 (263)	1280 (131)	1450 (148)	1760 (180)	1000 (111)
410 SP-4	7.50	1.25	0.30	6.25	4.50	1.50	1.50	114.3 x 3.65	88.9 x 3.25	76.1 x 3.25	67	2350 (240)	1670 (170)	1320 (135)	941 (96)	1150 (117)	627 (64)
410 SP-5	7.50	1.25	0.30	6.25	4.50	1.50	1.50	114.3 x 4.50	88.9 x 4.05	76.1 x 3.25	79	2760 (281)	1960 (200)	981 (100)	1100 (112)	1340 (137)	745 (76)
410 SP-6	7.50	1.25	0.30	6.25	4.50	1.50	1.50	114.3 x 5.40	88.9 x 4.85	76.1 x 3.25	93	3320 (339)	2360 (241)	1180 (120)	1330 (136)	1620 (165)	873 (89)
410 SP-7	7.50	1.25	0.30	6.25	4.50	1.50	1.50	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	97	4330 (442)	3080 (314)	1540 (157)	1740 (177)	2110 (215)	1400 (143)
410 SP-8	7.50	1.25	0.30	6.25	4.50	1.50	1.50	139.7 x 4.85	114.3 x 3.65	88.9 x 3.25	103	4630 (472)	3280 (335)	1650 (168)	1850 (189)	2250 (299)	1480 (151)
410 SP-9	7.50	1.25	0.30	6.25	4.50	1.50	1.50	139.7 x 5.40	114.3 x 3.65	88.9 x 3.25	110	5100 (520)	3620 (369)	1810 (185)	2040 (208)	2480 (253)	1600 (163)
410 SP-10	8.00	1.50	0.30	6.50	4.50	1.75	1.75	114.3 x 3.65	88.9 x 3.25	76.1 x 3.25	70	2260 (230)	1600 (163)	804 (82)	902 (92)	1100 (112)	520 (53)
410 SP-11	8.00	1.50	0.30	6.50	4.50	1.75	1.75	114.3 x 4.50	88.9 x 4.05	76.1 x 3.25	83	2730 (278)	1930 (197)	971 (99)	1090 (111)	1320 (117)	618 (63)
410 SP-12	8.00	1.50	0.30	6.50	4.50	1.75	1.75	114.3 x 5.40	88.9 x 4.85	76.1 x 3.25	97	3190 (325)	2270 (231)	1130 (115)	1270 (130)	1550 (158)	725 (74)
410 SP-13	8.00	1.50	0.30	6.50	4.50	1.75	1.75	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	101	4160 (424)	2950 (301)	1480 (151)	1670 (170)	2020 (206)	1180 (120)
410 SP-14	8.00	1.50	0.30	6.50	4.50	1.75	1.75	139.7 x 4.85	114.3 x 4.50	88.9 x 3.25	111	4440 (453)	3160 (322)	1580 (161)	1770 (181)	2160 (220)	1280 (131)
410 SP-15	8.00	1.50	0.30	6.50	4.50	1.75	1.75	139.7 x 5.40	114.3 x 4.50	88.9 x 3.25	119	4890 (499)	3470 (314)	1740 (177)	1960 (200)	2380 (243)	1380 (140)
410 SP-16	8.50	1.50	0.30	7.00	5.00	1.75	1.75	114.3 x 3.65	88.9 x 3.25	76.1 x 3.25	75	2090 (213)	1480 (151)	754 (76)	834 (85)	1020 (112)	432 (44)
410 SP-17	8.50	1.50	0.30	7.00	5.00	1.75	1.75	114.3 x 4.50	88.9 x 4.05	76.1 x 3.25	89	2520 (257)	1790 (182)	893 (91)	1010 (103)	1230 (125)	510 (52)
410 SP-18	8.50	1.50	0.30	7.00	5.00	1.75	1.75	114.3 x 3.65	88.9 x 4.85	76.1 x 3.25	104	2950 (301)	2100 (214)	1050 (107)	1180 (120)	1430 (146)	598 (61)
410 SP-19	8.50	1.50	0.30	7.00	5.00	1.75	1.75	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	109	3844 (392)	2730 (278)	1360 (139)	1540 (157)	1800 (191)	961 (98)
410 SP-20	8.50	1.50	0.30	7.00	5.00	1.75	1.75	139.7 x 4.85	114.3 x 3.65	88.9 x 3.25	115	4110 (419)	2910 (297)	1460 (149)	1650 (168)	2000 (204)	1010 (103)
410 SP-21	8.50	1.50	0.30	7.00	5.00	1.75	1.75	139.7 x 5.40	114.3 x 4.50	88.9 x 3.25	129	4530 (462)	3220 (328)	1620 (164)	1810 (185)	2210 (225)	1130 (115)
410 SP-22	8.50	1.50	0.30	7.00	5.00	1.75	1.75	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	141	5450 (556)	3870 (395)	1930 (197)	2180 (222)	2650 (270)	1730 (176)
410 SP-23	8.50	1.50	0.30	7.00	5.00	1.75	1.75	165.1 x 4.85	139.7 x 4.50	114.3 x 3.65	148	5840 (596)	4150 (423)	2080 (212)	2330 (238)	2840 (290)	1820 (186)
410 SP-24	8.50	1.50	0.30	7.00	5.00	1.75	1.75	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	158	6450 (658)	4580 (467)	2340 (234)	2579 (263)	3140 (320)	1970 (201)
410 SP-25	9.00	1.50	0.30	7.50	5.00	2.00	2.00	114.3 x 3.65	88.9 x 3.25	76.1 x 3.25	78	1940 (198)	1380 (141)	686 (70)	775 (79)	941 (96)	333 (34)
410 SP-26	9.00	1.50	0.30	7.50	5.00	2.00	2.00	114.3 x 3.65	88.9 x 3.25	76.1 x 3.25	92	2340 (239)	1670 (170)	834 (85)	941 (96)	1140 (116)	402 (41)
410 SP-27	9.00	1.50	0.30	7.50	5.00	2.00	2.00	114.3 x 3.65	88.9 x 3.25	76.1 x 3.25	108	2750 (280)	1950 (199)	971 (99)	1100 (112)	1330 (136)	461 (47)
410 SP-28	9.00	1.50	0.30	7.50	5.00	2.00	2.00	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	113	3580 (365)	2540 (259)	1270 (130)	1430 (146)	1740 (177)	745 (78)
410 SP-29	9.00	1.50	0.30	7.50	5.00	2.00	2.00	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	125	3820 (390)	2720 (277)	1350 (138)	1530 (156)	1860 (190)	814 (83)
410 SP-30	9.00	1.50	0.30	7.50	5.00	2.00	2.00	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	133	4220 (430)	2990 (305)	1500 (153)	1690 (172)	2050 (209)	882 (90)
410 SP-31	9.00	1.50	0.30	7.50	5.00	2.00	2.00	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	147	5070 (517)	3600 (367)	1800 (184)	2030 (207)	2460 (251)	1360 (139)
410 SP-32	9.00	1.50	0.30	7.50	5.00	2.00	2.00	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	154	5430 (554)	3850 (393)	1930 (197)	2180 (222)	2640 (269)	1430 (146)
410 SP-33	9.00	1.50	0.30	7.50	5.00	2.00	2.00	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	164	6000 (612)	4270 (435)	2130 (217)	2410 (245)	2910 (297)	1540 (157)
410 SP-34	9.50	1.80	0.60	7.70	5.00	2.25	2.25	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	122	3630 (370)	2580 (263)	1280 (131)	1450 (148)	1760 (180)	745 (76)
410 SP-35	9.50	1.80	0.60	7.70	5.00	2.25	2.25	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	129	3880 (396)	2760 (281)	1390 (142)	1550 (158)	1880 (192)	784 (80)
410 SP-36	9.50	1.80	0.60	7.70	5.00	2.25	2.25	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	137	4280 (436)	3040 (310)	1520 (155)	1710 (174)	2080 (121)	833 (85)
410 SP-37	9.50	1.80	0.60	7.70	5.00	2.25	2.25	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	153	5150 (525)	3660 (373)	1820 (186)	2060 (210)	2500 (255)	1300 (133)
410 SP-38	9.50	1.80	0.60	7.70	5.00	2.25	2.25	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	160	5510 (582)	3910 (399)	1960 (200)	2210 (225)	2680 (273)	1370 (140)
410 SP-39	9.50	1.80	0.60	7.70	5.00	2.25	2.25	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	170	6090 (621)	4320 (441)	2160 (220)	2430 (248)	2960 (302)	1480 (151)
410 SP-40	10.00	1.80	0.60	8.20	5.20	2.40	2.40	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	128	3390 (370)	2580 (346)	1210 (123)	1350 (138)	1650 (168)	608 (62)
410 SP-41	10.00	1.80	0.60	8.20	5.20	2.40	2.40	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	135	3630 (370)	2580 (263)	1280 (131)	1450 (148)	1760 (180)	637 (65)
410 SP-42	10.00	1.80	0.60	8.20	5.20	2.40	2.40	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	144	3990 (407)	2830 (289)	1410 (144)	1600 (163)	1940 (198)	677 (69)
410 SP-43	10.00	1.80	0.60	8.20	5.20	2.40	2.40	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	160	4810 (490)	3410 (348)	1710 (174)	1920 (196)	2330 (238)	1060 (108)
410 SP-44	10.00	1.80	0.60	8.20	5.20	2.40	2.40	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	168	5150 (525)	3660 (373)	1820 (186)	2060 (210)	2500 (255)	1120 (114)
410 SP-45	10.00	1.80	0.60	8.20	5.20	2.40	2.40	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	178	5690 (580)	4040 (412)	2020 (206)	2280 (232)	2760 (282)	1200 (122)
410 SP-46	10.00	1.80	0.60	8.20	5.20	2.40	2.40	193.7 x 4.85	165.1 x 4.50	139.7 x 4.50	208	7210 (735)	5120 (522)	2560 (261)	2880 (294)	3500 (357)	1850 (189)
410 SP-47	10.00	1.80	0.60	8.20	5.20	2.40	2.40	193.7 x 4.85	165.1 x 4.50	139.7 x 4.50	221	7910 (807)	5620 (573)	2800 (286)	3170 (323)	3840 (392)	1990 (203)
410 SP-48	10.00	1.80	0.60	8.20	5.20	2.40	2.40	193.7 x 4.85	165.1 x 4.50	139.7 x 4.50	233	78620 (879)	6120 (624)	3060 (312)	3450 (352)	4190 (427)	2110 (215)



SWAGED TYPE STEEL TUBULAR POLES CONFORMING TO IS : 2713/80

Designation	Overall Length	Planting Depth	Load Applied from Top at a Distance of	Height above ground H	Length of Sections			Outside diameter and Thickness of sections			Approx. Weight of Pole	Breaking Load	Crippling Load	Working Load		Load for Permanent Set not Exceeding	Load for Temporary Deflection of
					Bottom h 3	Middle h 2	Top h 1	Bottom	Middle	Top				Col 14 2	Col 13 2.5		
(1)	(2) (m)	(3) (m)	(4) (m)	(5) (m)	(6) (m)	(7) (m)	(8) (m)	(9) (mm)	(10) (mm)	(11) (mm)	(12) (kg)	(13) N(kgf)	(14) N(kgf)	(15) N(kgf)	(16) N(kgf)	(17) N(kgf)	(18) N(kgf)
410 SP-49	11.00	1.80	0.60	9.20	5.80	2.70	2.70	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	140	3000 (306)	2130 (217)	1070 (109)	1200 (122)	1460 (149)	412 (42)
410 SP-50	11.00	1.80	0.60	9.20	5.80	2.70	2.70	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	147	3210 (327)	2280 (232)	1140 (116)	1280 (131)	1560 (159)	431 (44)
410 SP-51	11.00	1.80	0.60	9.20	5.80	2.70	2.70	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	164	3530 (360)	2510 (256)	1260 (128)	1410 (144)	1720 (175)	480 (49)
410 SP-52	11.00	1.80	0.60	9.20	5.80	2.70	2.70	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	175	4250 (433)	3010 (307)	1510 (154)	1700 (173)	2060 (210)	726 (74)
410 SP-53	11.00	1.80	0.60	9.20	5.80	2.70	2.70	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	183	4550 (464)	3230 (329)	1620 (165)	1820 (186)	2220 (226)	765 (78)
410 SP-54	11.00	1.80	0.60	9.20	5.80	2.70	2.70	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	194	5030 (513)	3570 (364)	1780 (182)	2010 (205)	2440 (249)	814 (83)
410 SP-55	11.00	1.80	0.60	9.20	5.80	2.70	2.70	193.7 x 4.85	165.1 x 4.50	139.7 x 4.50	227	6370 (650)	4530 (462)	2260 (231)	2550 (260)	3100 (316)	1217 (130)
410 SP-56	11.00	1.80	0.60	9.20	5.80	2.70	2.70	193.7 x 4.85	165.1 x 4.50	139.7 x 4.50	241	6990 (713)	4920 (502)	2480 (253)	2790 (285)	3400 (347)	1370 (140)
410 SP-57	11.00	1.80	0.60	9.20	5.80	2.70	2.70	193.7 x 4.85	165.1 x 4.50	139.7 x 4.50	256	7620 (777)	5410 (552)	2710 (276)	3050 (311)	3710 (378)	1470 (150)
410 SP-58	12.00	2.00	0.60	10.00	5.80	3.10	3.10	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	186	3880 (396)	2760 (281)	1380 (141)	1550 (158)	1880 (192)	539 (55)
410 SP-59	12.00	2.00	0.60	10.00	5.80	3.10	3.10	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	197	4160 (424)	2950 (301)	1480 (151)	1670 (170)	2020 (206)	569 (58)
410 SP-60	12.00	2.00	0.60	10.00	5.80	3.10	3.10	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	208	4600 (469)	3270 (333)	1630 (166)	1840 (188)	2240 (228)	598 (61)
410 SP-61	12.00	2.00	0.60	10.00	5.80	3.10	3.10	193.7 x 4.85	165.1 x 4.50	139.7 x 4.50	245	5820 (594)	4140 (422)	2070 (211)	2330 (238)	2830 (289)	951 (97)
410 SP-62	12.00	2.00	0.60	10.00	5.80	3.10	3.10	193.7 x 4.85	165.1 x 4.50	139.7 x 4.50	259	6390 (652)	4540 (463)	2270 (231)	2560 (261)	3110 (317)	1010 (103)
410 SP-63	12.00	2.00	0.60	10.00	5.80	3.10	3.10	193.7 x 4.85	165.1 x 4.50	139.7 x 4.50	277	6960 (710)	4940 (504)	2470 (252)	2790 (284)	3390 (345)	1090 (111)
410 SP-64	12.00	2.00	0.60	10.00	5.80	3.10	3.10	219.1 x 4.85	193.7 x 4.85	165.1 x 4.50	292	7490 (764)	5320 (542)	2660 (271)	3000 (306)	3640 (371)	1460 (149)
410 SP-65	12.00	2.00	0.60	10.00	5.80	3.10	3.10	219.1 x 4.85	193.7 x 4.85	165.1 x 4.50	313	8530 (871)	6060 (618)	3030 (309)	3410 (348)	4150 (423)	1610 (164)
410 SP-66	12.00	2.00	0.60	10.00	5.80	3.10	3.10	219.1 x 4.85	193.7 x 4.85	165.1 x 4.50	322	8080 (916)	6370 (650)	3190 (325)	3590 (366)	4360 (445)	1660 (169)
410 SP-67	13.00	2.00	0.60	11.00	5.80	3.60	3.60	193.7 x 4.85	165.1 x 4.50	139.7 x 4.50	261	5270 (537)	3740 (381)	1870 (191)	2110 (215)	2560 (261)	677 (69)
410 SP-68	13.00	2.00	0.60	11.00	5.80	3.60	3.60	193.7 x 4.85	165.1 x 4.50	139.7 x 4.50	281	5790 (590)	4110 (419)	2050 (209)	2310 (236)	2810 (287)	735 (75)
410 SP-69	13.00	2.00	0.60	11.00	5.80	3.60	3.60	193.7 x 4.85	165.1 x 4.50	139.7 x 4.50	302	6300 (642)	4470 (456)	2240 (228)	2520 (257)	3060 (321)	794 (81)
410 SP-70	13.00	2.00	0.60	11.00	5.80	3.60	3.60	219.1 x 4.85	193.7 x 4.85	165.1 x 4.50	312	6780 (691)	4820 (491)	2400 (245)	2710 (276)	3300 (336)	1060 (108)
410 SP-71	13.00	2.00	0.60	11.00	5.80	3.60	3.60	219.1 x 4.85	193.7 x 4.85	165.1 x 4.50	333	7720 (787)	5480 (559)	2740 (279)	3090 (315)	3750 (382)	1160 (118)
410 SP-72	13.00	2.00	0.60	11.00	5.80	3.60	3.60	219.1 x 4.85	193.7 x 4.85	165.1 x 4.50	343	8120 (828)	5770 (588)	2880 (294)	3250 (331)	3940 (402)	1190 (121)
410 SP-73	14.50	2.00	0.60	12.50	6.50	4.00	4.00	193.7 x 4.85	165.1 x 4.50	139.7 x 4.50	312	5050 (515)	3590 (366)	1790 (183)	2020 (206)	2450 (250)	500 (51)
410 SP-74	14.50	2.00	0.60	12.50	6.50	4.00	4.00	193.7 x 4.85	165.1 x 4.50	139.7 x 4.50	336	5500 (561)	3900 (398)	1950 (199)	2200 (224)	2680 (273)	539 (55)
410 SP-75	14.50	2.00	0.60	12.50	6.50	4.00	4.00	219.1 x 4.85	193.7 x 4.85	165.1 x 4.50	370	6750 (688)	4790 (488)	2390 (244)	2700 (275)	3780 (384)	775 (79)
410 SP-76	14.50	2.00	0.60	12.50	6.50	4.00	4.00	219.1 x 4.85	193.7 x 4.85	165.1 x 4.50	380	7100 (724)	5040 (514)	2520 (257)	2840 (290)	3450 (352)	794 (51)
410 SP-77	16.00	2.30	0.60	13.70	7.00	4.50	4.50	193.7 x 4.85	165.1 x 4.50	139.7 x 4.50	341	4590 (468)	3260 (332)	1630 (166)	1830 (187)	2230 (227)	363 (37)
410 SP-78	16.00	2.30	0.60	13.70	7.00	4.50	4.50	193.7 x 4.85	165.1 x 4.50	139.7 x 4.50	367	5000 (510)	3550 (362)	1780 (181)	2000 (204)	2430 (248)	392 (40)
410 SP-79	16.00	2.30	0.60	13.70	7.00	4.50	4.50	219.1 x 4.85	193.7 x 4.85	165.1 x 4.50	405	6130 (625)	4350 (444)	2180 (222)	2450 (250)	2980 (304)	569 (58)
410 SP-80	16.00	2.30	0.60	13.70	7.00	4.50	4.50	219.1 x 4.85	193.7 x 4.85	165.1 x 4.50	416	6440 (657)	4570 (466)	2280 (233)	2580 (263)	3130 (319)	568 (60)

Outside Diameter of smaller Tube in Joint mm	Length of Joint (J1 or J2) mm
76.1	200
88.9	230
114.3	300
139.7	350
165.1	400
193.7	450

Tolerance of Steel Tubular Poles	
Outside Diameter (+ -)	1%
Thickness (-)	10%
Section Length (+ -)	40mm
Overall Length (+ -)	25mm
Weight	
Bulk (-)	7.5%
Single (-)	10%
Straightness	1 / 600

SWAGED TYPE STEEL TUBULAR POLES CONFORMING TO IS: 2713/80



Designation	Overall Length	Planting Depth	Load Applied from Top	Height above ground	Length of Sections			Outside diameter and Thickness of sections			Approx Weight of Pole	Breaking Load	Crippling Load	Working Load		Load for Permanent Set not Exceeding 13 mm	Load for Temporary Deflection of 157.5 mm
	(m)	(m)	(m)	(m)	Bottom h3 (m)	Middle h2 (m)	Top h1 (m)	Bottom (m)	Middle (m)	Top (m)	Kg	N(Kgf)	N(Kgf)	Col 14 2 N(Kgf)	Col 13 2.5 N(Kgf)	N(Kgf)	N(Kgf)
540- SP -01	7.00	1.25	0.30	5.75	4.00	1.50	1.50	114.3 x 3.65	88.9 x 3.25	76.1 x 3.25	62	3360 (343)	2390 (244)	1200 (122)	1340 (137)	1640 (167)	785 (80)
540- SP -02	7.00	1.25	0.30	5.75	4.00	1.50	1.50	114.3 x 4.50	88.9 x 4.05	76.1 x 3.25	73	4060 (414)	2880 (294)	1440 (147)	1630 (166)	1970 (201)	941 (96)
540- SP -03	7.00	1.25	0.30	5.75	4.00	1.50	1.50	114.3 x 5.40	88.9 x 4.85	76.1 x 3.25	85	4750 (484)	3370 (344)	1690 (172)	1900 (194)	2300 (235)	1090 (111)
540- SP -04	7.50	1.25	0.30	6.25	4.50	1.50	1.50	114.3 x 3.65	88.9 x 3.25	76.1 x 3.25	67	3080 (314)	2190 (223)	1090 (111)	1240 (126)	1500 (153)	628 (64)
540- SP -05	7.50	1.25	0.30	6.25	4.50	1.50	1.50	114.3 x 4.50	88.9 x 4.05	76.1 x 3.25	79	3720 (379)	2640 (269)	1320 (135)	1490 (152)	1800 (184)	745 (76)
540- SP -06	7.50	1.25	0.30	6.25	4.50	1.50	1.50	114.3 x 5.40	88.9 x 4.85	76.1 x 3.25	93	4350 (444)	3090 (315)	1550 (158)	1750 (178)	2120 (216)	873 (89)
540- SP -07	7.50	1.25	0.30	6.25	4.50	1.50	1.50	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	97	5680 (579)	4030 (411)	2020 (206)	2280 (232)	2760 (281)	1400 (143)
540- SP -08	7.50	1.25	0.30	6.25	4.50	1.50	1.50	139.7 x 4.85	114.3 x 3.65	88.9 x 3.25	103	6060 (618)	4300 (439)	2150 (219)	2420 (247)	2940 (300)	1480 (151)
540- SP -09	7.50	1.25	0.30	6.25	4.50	1.50	1.50	139.7 x 5.40	114.3 x 3.65	88.9 x 3.25	110	6680 (681)	4750 (484)	2370 (242)	2670 (272)	3250 (331)	1600 (163)
540- SP -10	8.00	1.50	0.30	6.50	4.50	1.75	1.75	114.3 x 3.65	88.9 x 3.25	76.1 x 3.25	70	2960 (302)	2090 (214)	1050 (107)	1190 (121)	1440 (147)	520 (53)
540- SP -11	8.00	1.50	0.30	6.50	4.50	1.75	1.75	114.3 x 4.50	88.9 x 4.05	76.1 x 3.25	83	3620 (369)	2570 (262)	1280 (131)	1450 (148)	1760 (179)	619 (63)
540- SP -12	8.00	1.50	0.30	6.50	4.50	1.75	1.75	114.3 x 5.40	88.9 x 4.85	76.1 x 3.25	97	4180 (426)	2960 (302)	1480 (151)	1670 (170)	2030 (207)	726 (74)
540- SP -13	8.00	1.50	0.30	6.50	4.50	1.75	1.75	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	101	5440 (555)	3860 (394)	1930 (197)	2180 (222)	2650 (270)	1180 (120)
540- SP -14	8.00	1.50	0.30	6.50	4.50	1.75	1.75	139.7 x 4.85	114.3 x 4.50	88.9 x 3.25	111	5820 (593)	4130 (421)	2070 (211)	2320 (237)	2820 (288)	1280 (131)
540- SP -15	8.00	1.50	0.30	6.50	4.50	1.75	1.75	139.7 x 5.40	114.3 x 4.50	88.9 x 3.25	119	6410 (654)	4550 (464)	2280 (232)	2570 (262)	3120 (318)	1370 (140)
540- SP -16	8.50	1.50	0.30	7.00	5.00	1.75	1.75	114.3 x 3.65	88.9 x 3.25	76.1 x 3.25	75	2740 (279)	1940 (198)	971 (99)	1100 (112)	1330 (136)	431 (44)
540- SP -17	8.50	1.50	0.30	7.00	5.00	1.75	1.75	114.3 x 4.50	88.9 x 4.05	76.1 x 3.25	89	3300 (337)	2340 (239)	1180 (120)	1320 (135)	1610 (164)	510 (52)
540- SP -18	8.50	1.50	0.30	7.00	5.00	1.75	1.75	114.3 x 5.40	88.9 x 4.85	76.1 x 3.25	104	3860 (394)	2750 (280)	1370 (140)	1550 (158)	1870 (191)	598 (61)
540- SP -19	8.50	1.50	0.30	7.00	5.00	1.75	1.75	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	109	5040 (514)	3580 (365)	1780 (182)	2020 (206)	2450 (250)	961 (98)
540- SP -20	8.50	1.50	0.30	7.00	5.00	1.75	1.75	139.7 x 4.85	114.3 x 3.65	88.9 x 3.25	115	5380 (549)	3820 (390)	1910 (195)	2160 (220)	2620 (267)	1010 (103)
540- SP -21	8.50	1.50	0.30	7.00	5.00	1.75	1.75	139.7 x 5.40	114.3 x 4.50	88.9 x 3.25	129	5930 (605)	4220 (430)	2110 (215)	2370 (242)	2880 (294)	1130 (115)
540- SP -22	8.50	1.50	0.30	7.00	5.00	1.75	1.75	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	141	7140 (728)	5070 (517)	2530 (258)	2850 (291)	3570 (354)	1730 (176)
540- SP -23	8.50	1.50	0.30	7.00	5.00	1.75	1.75	165.1 x 4.85	139.7 x 4.50	114.3 x 3.65	148	7650 (780)	5430 (554)	2720 (277)	3060 (312)	3720 (379)	1820 (186)
540- SP -24	8.50	1.50	0.30	7.00	5.00	1.75	1.75	165.1 x 5.40	139.7 x 4.50	114.3 x 3.65	158	8450 (862)	6000 (612)	3000 (306)	3380 (345)	4110 (419)	1970 (201)
540- SP -25	9.00	1.50	0.30	7.50	5.00	2.00	2.00	114.3 x 3.65	88.9 x 3.25	76.1 x 3.25	78	2550 (260)	1810 (185)	902 (92)	1020 (104)	1240 (126)	333 (34)
540- SP -26	9.00	1.50	0.30	7.50	5.00	2.00	2.00	114.3 x 4.50	88.9 x 4.05	76.1 x 3.25	92	3070 (313)	2180 (222)	1090 (111)	1230 (125)	1490 (152)	402 (41)
540- SP -27	9.00	1.50	0.30	7.50	5.00	2.00	2.00	114.3 x 5.40	88.9 x 4.85	76.1 x 3.25	108	3600 (367)	2560 (261)	1280 (130)	1440 (147)	1750 (178)	461 (47)
540- SP -28	9.00	1.50	0.30	7.50	5.00	2.00	2.00	139.7 x 4.50	114.3 x 3.65	88.9 x 3.25	113	4690 (478)	3320 (339)	1670 (170)	1870 (191)	2280 (232)	745 (76)
540- SP -29	9.00	1.50	0.30	7.50	5.00	2.00	2.00	139.7 x 4.85	114.3 x 4.50	88.9 x 3.25	125	5010 (511)	3560 (363)	1780 (181)	2000 (204)	2430 (248)	814 (83)
540- SP -30	9.00	1.50	0.30	7.50	5.00	2.00	2.00	139.7 x 5.40	114.3 x 4.50	88.9 x 3.25	133	5520 (563)	3920 (400)	1960 (200)	2210 (225)	2690 (274)	883 (90)
540- SP -31	9.00	1.50	0.30	7.50	5.00	2.00	2.00	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	147	6650 (678)	4720 (481)	2360 (241)	2660 (271)	3240 (330)	1360 (139)
540- SP -32	9.00	1.40	0.30	7.50	5.00	2.00	2.00	165.1 x 4.85	139.7 x 4.50	114.3 x 3.65	154	7120 (726)	5050 (515)	2530 (258)	2840 (290)	3460 (353)	1430 (146)
540- SP -33	9.00	1.40	0.30	7.50	5.00	2.00	2.00	165.1 x 5.40	139.7 x 4.50	114.3 x 3.65	164	7860 (802)	5580 (569)	2800 (285)	3150 (321)	3820 (390)	1540 (157)
540- SP -34	9.50	1.80	0.60	7.70	5.00	2.25	2.25	139.7 x 4.50	114.3 x 4.50	88.9 x 3.25	122	4760 (485)	3370 (344)	1690 (172)	1900 (194)	2310 (236)	745 (76)
540- SP -35	9.50	1.80	0.60	7.70	5.00	2.25	2.25	139.7 x 4.85	114.3 x 4.50	88.9 x 3.25	129	5080 (518)	3610 (368)	1800 (184)	2030 (207)	2470 (252)	785 (80)
540- SP -36	9.50	1.80	0.60	7.70	5.00	2.25	2.25	139.7 x 5.40	114.3 x 4.50	88.9 x 3.25	137	5600 (571)	3970 (405)	1990 (203)	2240 (228)	2730 (278)	834 (85)
540- SP -37	9.50	1.80	0.60	7.70	5.00	2.25	2.25	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	153	6740 (687)	4790 (488)	2390 (244)	2700 (275)	3280 (334)	1300 (133)
540- SP -38	9.50	1.80	0.60	7.70	5.00	2.25	2.25	165.1 x 4.85	139.7 x 4.50	114.3 x 3.65	160	7200 (736)	5130 (523)	2560 (261)	2880 (294)	3510 (358)	1370 (140)
540- SP -39	9.50	1.80	0.60	7.70	5.00	2.25	2.25	165.1 x 5.40	139.7 x 4.50	114.3 x 3.65	170	7970 (813)	5660 (577)	2830 (289)	3190 (325)	3870 (395)	1480 (151)
540- SP -40	10.00	1.80	0.60	8.20	5.20	2.40	2.40	139.7 x 4.50	114.3 x 4.50	88.9 x 3.25	128	4440 (453)	3160 (322)	1580 (161)	1780 (181)	2160 (220)	608 (62)
540- SP -41	10.00	1.80	0.60	8.20	5.20	2.40	2.40	139.7 x 4.85	114.3 x 4.50	88.9 x 3.25	135	4750 (484)	3370 (344)	1690 (172)	1900 (194)	2300 (235)	637 (65)
540- SP -42	10.00	1.80	0.60	8.20	5.20	2.40	2.40	139.7 x 5.40	114.3 x 4.50	88.9 x 3.25	144	5230 (533)	3710 (378)	1850 (189)	2090 (213)	2540 (259)	677 (69)
540- SP -43	10.00	1.80	0.60	8.20	5.20	2.40	2.40	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	160	6300 (642)	4470 (456)	2240 (228)	2520 (257)	3060 (312)	1060 (108)
540- SP -44	10.00	1.80	0.60	8.20	5.20	2.40	2.40	165.1 x 4.85	139.7 x 4.50	114.3 x 3.65	168	6750 (688)	4790 (488)	2390 (244)	2700 (275)	3280 (334)	1120 (114)
540- SP -45	10.00	1.80	0.60	8.20	5.20	2.40	2.40	165.1 x 5.40	139.7 x 4.50	114.3 x 3.65	178	7450 (760)	5300 (540)	2650 (270)	2980 (304)	3620 (369)	1200 (122)
540- SP -46	10.00	1.80	0.60	8.20	5.20	2.40	2.40	193.7 X 4.85	165.1 x 4.50	139.7 x 4.50	208	9440 (963)	6710 (684)	3350 (342)	3780 (385)	4590 (468)	1850 (189)
540- SP -47	10.00	1.80	0.60	8.20	5.20	2.40	2.40	193.7 X 5.40	165.1 x 4.50	139.7 x 4.50	221	10400 (1057)	7350 (750)	3680 (375)	4150 (423)	5040 (514)	1990 (203)
540- SP -48	10.00	1.80	0.60	8.20	5.20	2.40	2.40	193.7 X 5.90	165.1 x 4.50	139.7 x 4.50	233	11300 (1151)	8010 (817)	4010 (409)	4510 (460)	5480 (559)	2110 (215)

SWAGED TYPE STEEL TUBULAR POLES CONFORMING TO IS: 2713/80

Designation	Overall Length	Planting Depth	Load Applied from Top	Height above ground	Length of Sections			Outside diameter and Thickness of sections			Approx Weight of Pole	Breaking Load	Crippling Load	Working Load		Load for Permanent Set not Exceeding 13 mm	Load for Temporary Deflection of 157.5 mm
	(m)	(m)	(m)	(m)	Bottom h3 (m)	Middle h2 (m)	Top h1 (m)	Bottom (m)	Middle (m)	Top (m)	Kg	N(Kgf)	N(Kgf)	Col 14 2 N(Kgf)	Col 13 2.5 N(Kgf)	N(Kgf)	N(Kgf)
540- SP -49	11.00	1.80	0.60	9.20	5.60	2.70	2.70	139.7 x 4.50	114.3 x 4.50	88.9 x 3.25	140	3920 (400)	2790 (284)	1390 (142)	1570 (160)	1900 (194)	412 (42)
540- SP -50	11.00	1.80	0.60	9.20	5.60	2.70	2.70	139.7 x 4.85	114.3 x 4.50	88.9 x 3.25	147	4200 (428)	2980 (304)	1490 (152)	1680 (171)	2040 (208)	431 (44)
540- SP -51	11.00	1.80	0.60	9.20	5.60	2.70	2.70	139.7 x 5.40	114.3 x 4.50	88.9 x 3.25	164	4620 (471)	3280 (334)	1640 (167)	1840 (188)	2250 (229)	480 (49)
540- SP -52	11.00	1.80	0.60	9.20	5.60	2.70	2.70	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	175	5560 (567)	3950 (403)	1970 (201)	2230 (227)	2710 (276)	726 (74)
540- SP -53	11.00	1.80	0.60	9.20	5.60	2.70	2.70	165.1 x 4.85	139.7 x 4.50	114.3 x 3.65	183	5960 (608)	4240 (432)	2120 (216)	2380 (243)	2890 (295)	765 (78)
540- SP -54	11.00	1.80	0.60	9.20	5.60	2.70	2.70	165.1 x 5.40	139.7 x 4.50	114.3 x 3.65	194	6590 (672)	4680 (477)	2340 (239)	2640 (269)	2310 (327)	814 (83)
540- SP -55	11.00	1.80	0.60	9.20	5.60	2.70	2.70	193.7 X 4.85	165.1 x 4.50	139.7 x 4.50	227	8340 (851)	5920 (604)	2960 (302)	3330 (340)	4060 (414)	1270 (130)
540- SP -56	11.00	1.80	0.60	9.20	5.60	2.70	2.70	193.7 X 5.40	165.1 x 4.50	139.7 x 4.50	241	9160 (934)	6500 (663)	3260 (332)	3670 (374)	4450 (454)	1370 (140)
540- SP -57	11.00	1.80	0.60	9.20	5.60	2.70	2.70	193.7 X 5.90	165.1 x 4.50	139.7 x 4.50	256	9970 (1017)	7080 (722)	3540 (361)	3990 (407)	4840 (494)	1470 (150)
540- SP -58	12.00	2.00	0.60	10.00	5.80	3.10	3.10	165.1 x 4.50	139.7 x 4.50	114.3 x 3.65	186	5090 (519)	3610 (368)	1800 (184)	2040 (208)	2470 (252)	539 (55)
540- SP -59	12.00	2.00	0.60	10.00	5.80	3.10	3.10	165.1 x 4.85	139.7 x 4.50	114.3 x 3.65	197	5450 (556)	3870 (395)	1930 (197)	2180 (222)	2650 (270)	569 (58)
540- SP -60	12.00	2.00	0.60	10.00	5.80	3.10	3.10	165.1 x 5.40	139.7 x 4.50	114.3 x 3.65	208	6020 (614)	4280 (436)	2140 (218)	2410 (246)	2920 (298)	598 (61)
540- SP -61	12.00	2.00	0.60	10.00	5.80	3.10	3.10	193.7 X 4.85	165.1 x 4.50	139.7 x 4.50	245	7630 (778)	5410 (552)	2710 (276)	3050 (311)	3710 (378)	951 (97)
540- SP -62	12.00	2.00	0.60	10.00	5.80	3.10	3.10	193.7 X 5.40	165.1 x 4.50	139.7 x 4.50	259	8370 (854)	5940 (606)	2970 (303)	3350 (342)	4070 (415)	1010 (103)
540- SP -63	12.00	2.00	0.60	10.00	5.80	3.10	3.10	193.7 X 5.90	165.1 x 4.50	139.7 x 4.50	277	9120 (930)	6470 (660)	3240 (330)	3650 (372)	4430 (452)	1090 (111)
540- SP -64	12.00	2.00	0.60	10.00	5.80	3.10	3.10	219.1 x 4.85	193.7 X 4.85	165.1 x 4.50	292	9820 (1001)	6970 (711)	3480 (355)	3920 (400)	4770 (486)	1460 (149)
540- SP -65	12.00	2.00	0.60	10.00	5.80	3.10	3.10	219.1 x 5.60	193.7 X 4.85	165.1 x 4.50	313	11200 (1141)	7940 (810)	3970 (405)	4470 (456)	5440 (555)	1610 (164)
540- SP -66	12.00	2.00	0.60	10.00	5.80	3.10	3.10	219.1 x 5.90	193.7 X 4.85	165.1 x 4.50	322	11800 (1199)	8340 (851)	4180 (426)	4710 (480)	5720 (583)	1660 (169)
540- SP -67	13.00	2.00	0.60	11.00	5.80	3.60	3.60	193.7 X 4.85	165.1 x 4.50	139.7 x 4.50	261	6890 (703)	4890 (499)	2450 (250)	2760 (281)	3350 (342)	677 (69)
540- SP -68	13.00	2.00	0.60	11.00	5.80	3.60	3.60	193.7 X 5.40	165.1 x 4.85	139.7 x 4.50	281	7570 (772)	5370 (548)	2690 (274)	3030 (309)	3680 (375)	735 (75)
540- SP -69	13.00	2.00	0.60	11.00	5.80	3.60	3.60	193.7 X 5.90	165.1 x 5.40	139.7 x 4.50	302	8250 (841)	5850 (597)	2930 (299)	3300 (336)	4010 (409)	794 (81)
540- SP -70	13.00	2.00	0.60	11.00	5.80	3.60	3.60	219.1 x 4.85	193.7 X 4.85	165.1 x 4.50	312	8870 (904)	6300 (642)	3150 (321)	3550 (362)	4310 (439)	1060 (108)
540- SP -71	13.00	2.00	0.60	11.00	5.80	3.60	3.60	219.1 x 5.60	193.7 X 4.85	165.1 x 4.50	333	10100 (1031)	7180 (732)	3590 (366)	4040 (412)	4910 (501)	1160 (118)
540- SP -72	13.00	2.00	0.60	11.00	5.80	3.60	3.60	219.1 x 5.90	193.7 X 4.85	165.1 x 4.50	343	10600 (1084)	7550 (770)	3780 (385)	4260 (434)	5170 (527)	1190 (121)
540- SP -73	14.50	2.00	0.60	12.50	6.50	4.00	4.00	193.7 X 5.40	165.1 x 4.85	139.7 x 4.50	312	6620 (675)	4700 (479)	2350 (240)	2650 (270)	3220 (328)	500 (51)
540- SP -74	14.50	2.00	0.60	12.50	6.50	4.00	4.00	193.7 X 5.90	165.1 x 5.40	139.7 x 4.50	336	7210 (735)	5120 (522)	2560 (261)	2880 (294)	3500 (357)	539 (55)
540- SP -75	14.50	2.00	0.60	12.50	6.50	4.00	4.00	219.1 x 5.60	193.7 X 4.85	165.1 x 4.50	370	8840 (901)	6280 (640)	3140 (320)	3530 (360)	4300 (438)	775 (79)
540- SP -76	14.50	2.00	0.60	12.50	6.50	4.00	4.00	219.1 x 5.90	193.7 X 4.85	165.1 x 4.50	380	9290 (947)	6590 (672)	3300 (336)	3720 (379)	4510 (460)	794 (81)
540- SP -77	16.00	2.30	0.60	13.70	7.00	4.50	4.50	193.7 X 5.40	165.1 x 4.85	139.7 x 4.50	341	6010 (613)	4270 (435)	2140 (218)	2400 (245)	2920 (298)	363 (37)
540- SP -78	16.00	2.30	0.60	13.70	7.00	4.50	4.50	193.7 X 5.90	165.1 x 5.40	139.7 x 4.50	367	6550 (668)	4650 (474)	2320 (237)	2620 (267)	3190 (325)	392 (40)
540- SP -79	16.00	2.30	0.60	13.70	7.00	4.50	4.50	219.1 x 5.60	193.7 X 4.85	165.1 x 4.50	405	8030 (819)	5700 (581)	2850 (291)	3200 (328)	3900 (398)	569 (58)
540- SP -80	16.00	2.30	0.60	13.70	7.00	4.50	4.50	219.1 x 5.90	193.7 X 4.85	165.1 x 4.50	416	8440 (861)	5990 (611)	3000 (306)	3370 (344)	4100 (418)	588 (60)



APPLICATIONS:

- Street Lighting for streets, housing societies, parks etc.
- Signage Poles for Branding.
- Traffic Signal Lighting on signal sights.
- Power Distribution Poles for transmitting electricity.
- Solar Lighting Poles for sustainable energy.
- CCTV Poles for Surveillance.

PRODUCT SPECIFICATIONS:

Product Type	Street Lighting Pole
Material	Steel
Application	For street lighting
Shape	Tubular
Height	7-16 Meter

KEY FEATURES:

- Best Quality at Affordable cost.
- Towers of various heights and structures can be developed as per customers requirement.
- Installation and maintenance at ease.

RANGE OF PRODUCTS:

- Steel tubular poles for lighting beautification with single or double overhang; generally used for intersections, airports, Railway Stations, Bus stands, Housing Societies, Societies, Office Campuses, Corporate & Education Campuses and others.
- Steel tubular poles for transmission of overhead Electricity Power.
- Tubular steel poles and posts for Parks & gardens (vertical or conical), irregular conical or for any other purposes to enhance your garden.
- Tubular steel poles that can be installed on steep of the hills, temples & tourist places and other mountain areas.
- Traffic signalling posts on the road and street for traffic control.



SHRI BAJRANG POWER AND ISPAT LIMITED

KH.NO:521/44, DHARSIWA- TILDA ROAD, VILLAGE-TANDWA,
KUNDRU, TEHSIL, TILDA NEWRA, RAIPUR-493116, CHHATTISGARH, INDIA

Phone: 0771-4288008 / 9 Email: pipes@goelgroup.co.in