

## Profile

Parkash Amusement Rides & Fun World (P)Ltd. (PAFL) is an ISO 9001-2008 company since 1989, manufacturing world class water park equipments including different kind of slides, wave pool, thrill /children rides and water toys etc.

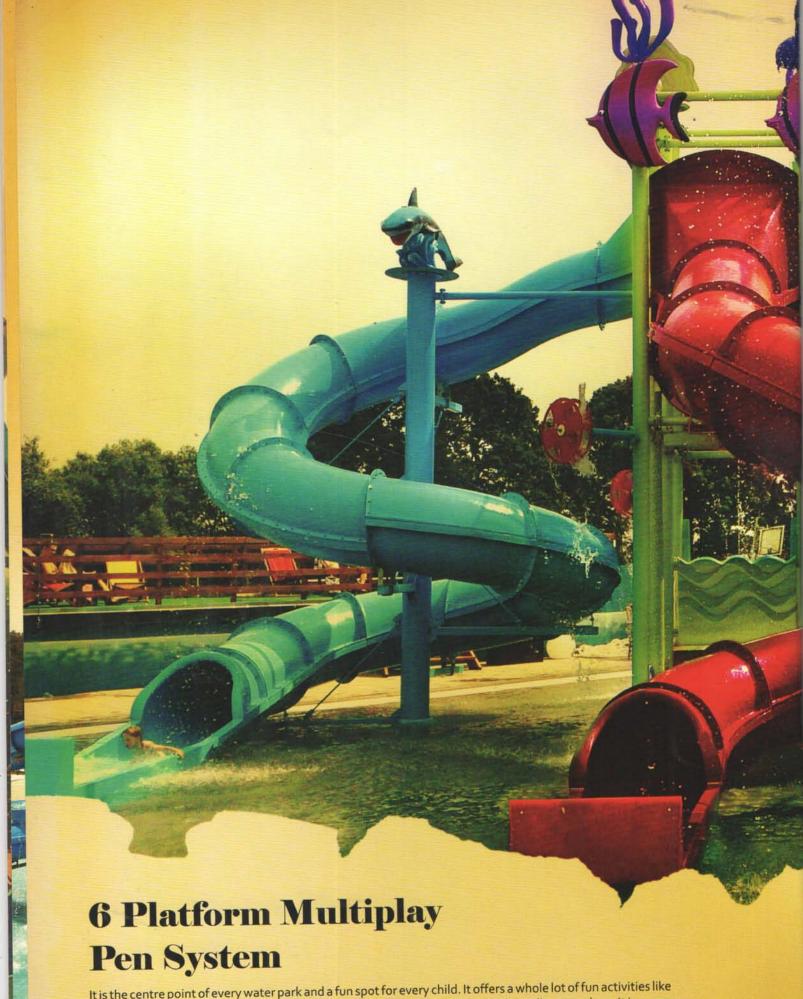
PAFL has installed/supplied its product range worldwide and offers turnkey services from conceptualization to execution.

Water park theming / designing have been other strengths of PAFL, making any water park, concept based destination, depending on locational and visitors' profile.

PAFL has the biggest manufacturing, designing and R&D facility in India with quality and manufacturing of its product range comparable to any international company. Manufacturing process and materials specifications are discussed in the following chapters.



### Profile Mutli play pen 6 PF 314 Mutli play pen 12 PF 5-6 Mutliplay pen 5 PF 7-8 Mutli play pen 14 PF 9-10 Aqua Funnel 11 **Multilane** 12 Giant Octopus 13 AquaTwister 14 Flume Raft Slide 15 Speed Slide 16 Kiddy Slide 17 WaterCyclone 18 Turbo Water Cyclone 19 Boomrango 20 Free Fall Side 21 Drop Slide 22 Wave pool 23-24 Watertoys 25-26 Installation 27-28 **Product Specifications** 29 **General Specifications &** 30 FRP Construction Procedures.



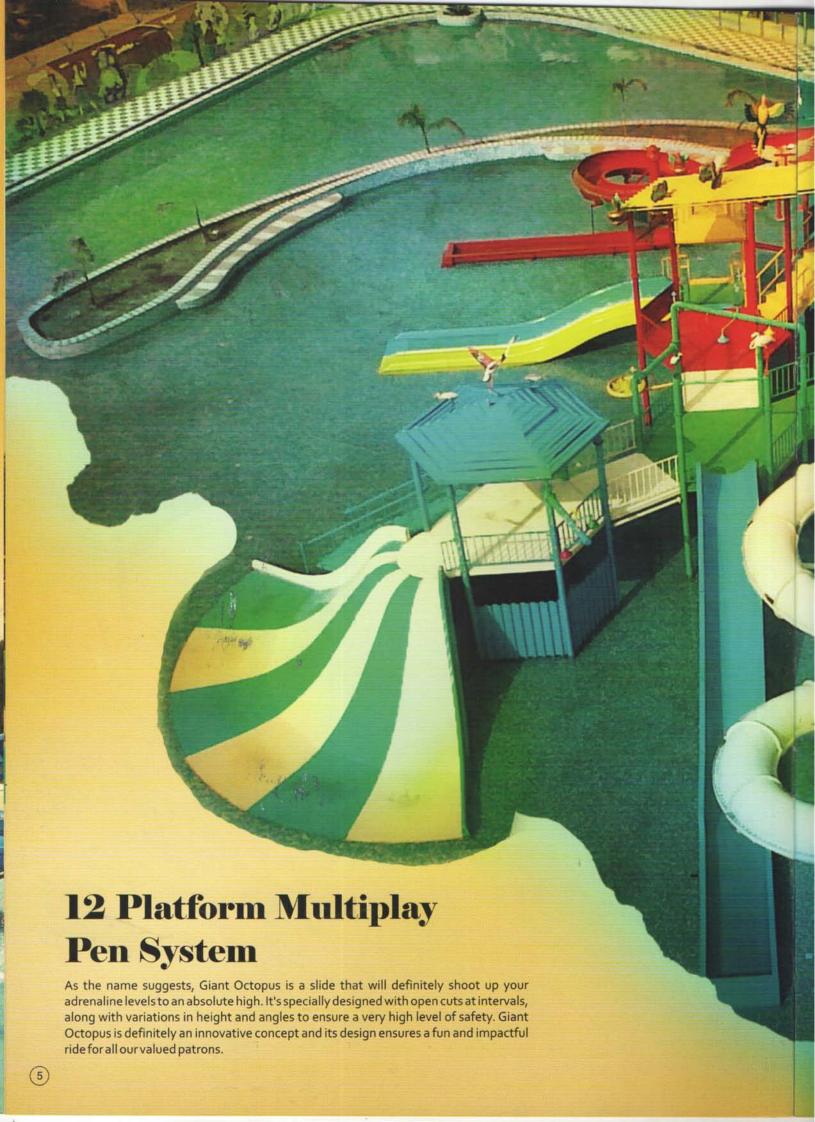
It is the centre point of every water park and a fun spot for every child. It offers a whole lot of fun activities like rope climbing, water gun, spray spouts, mini slides, sprinklers and tilting buckets all at one place. It is a very controlled and safe environment for children to indulge in the many fun activities without having to go anywhere else.

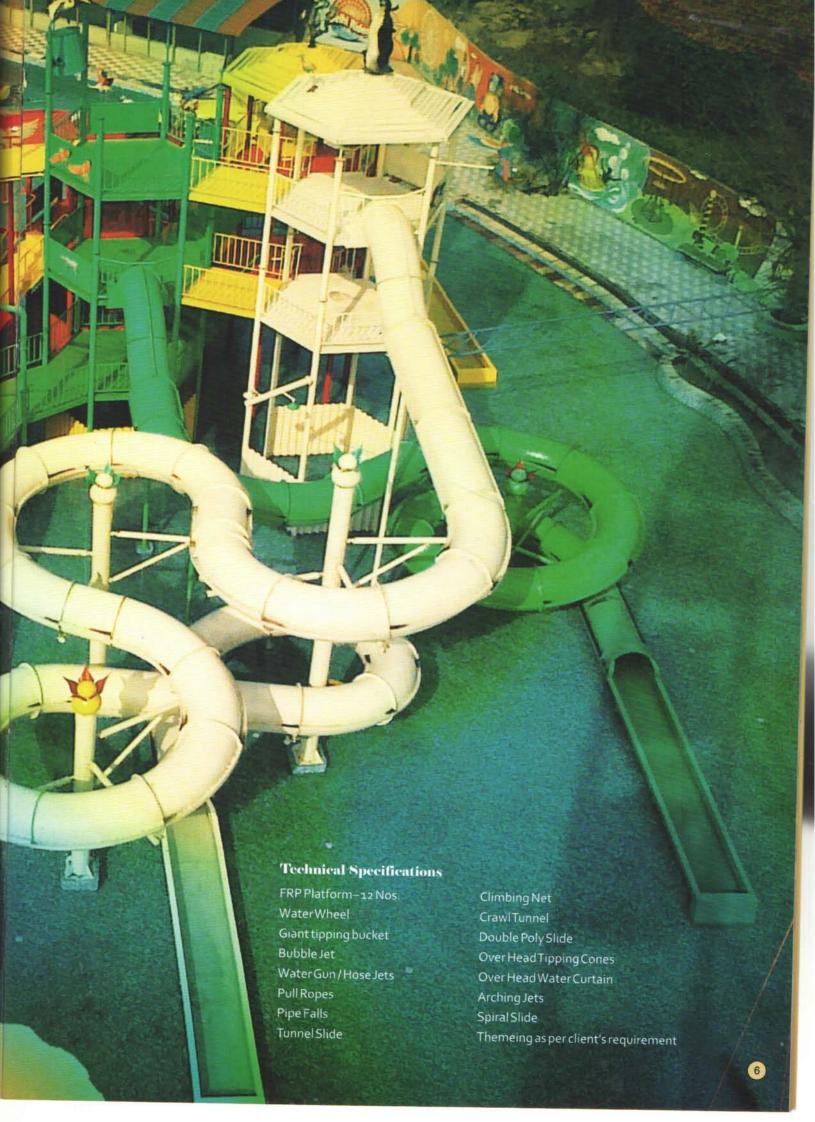


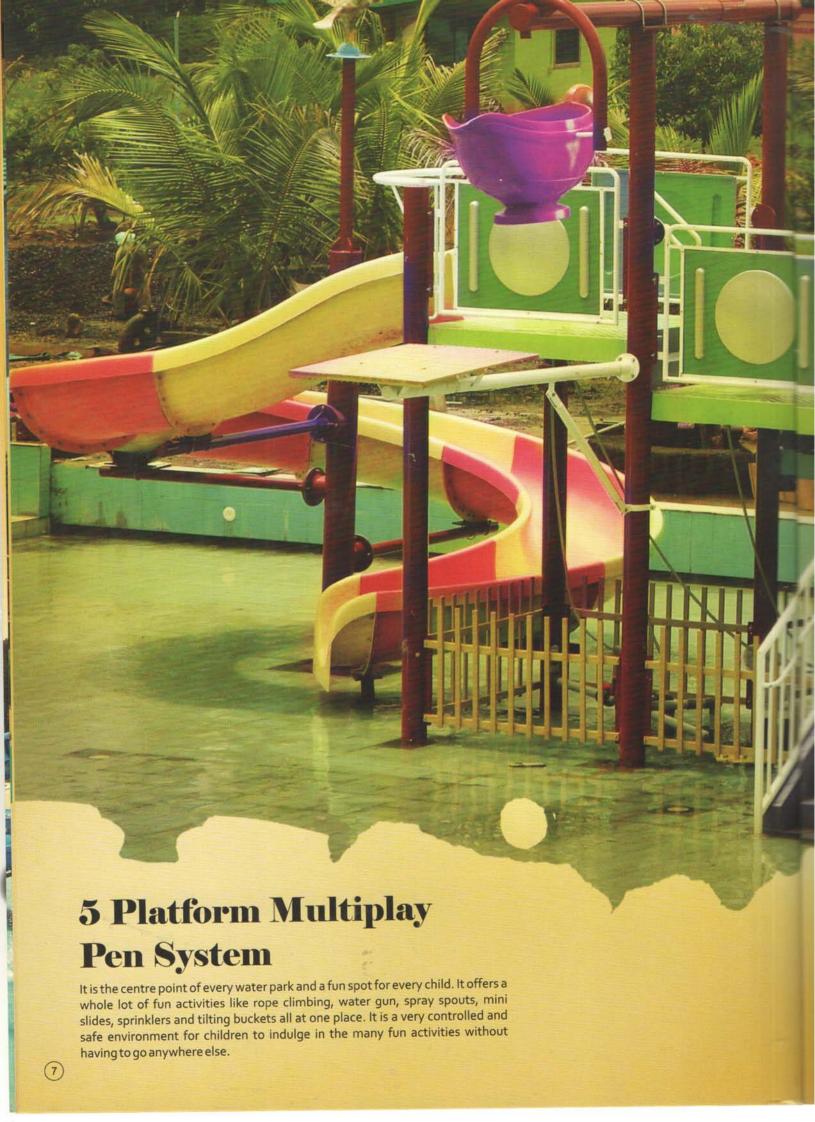
### **Technical Specifications**

- Multi Play Pen 6 platform (Mermaid Theme)
- FRP Platforms 1600 x 1600 6 Nos
- FRP Staircase 1050 Ht 5 Nos
- 850mmWideTunnelBodySteepSlide3.1mHt
- 900 mmWideTunnel Body Spiral Slide 4.2m Ht
- 900 mmWideTunnel Body Spiral Slide 5.25m Ht
- Mountain Slide 90 Deg 2.1 m Ht

- 200 Ltr Splash with Splash Roof
- Rotating Wheel with water Spray
- RoofwithWaterSpray
- Water Curtain and Nozzles
- Welcome Board
- Themeing Characters as shown in the drawing
- Appropriate Railing for acess restriction at bottom



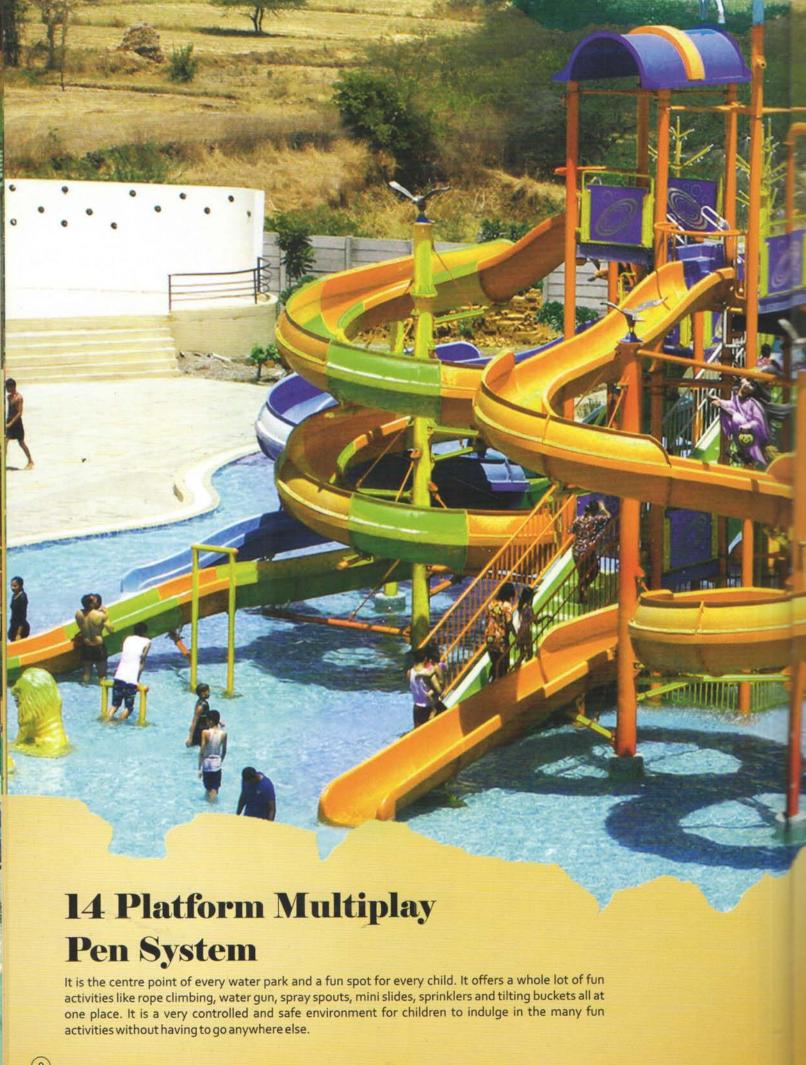






- FRP Staircase 2100Ht 1 No.
- Mountain Slide 90 degree
- goommWide Straight Slide 2625Ht
- 900mmWideCurveSlide-3675Ht
- 650mm Racer Slide 3 lane 2100mm HT
- FRP Roof 4m X 4m 1 No. with LED Lights
- Magic Lamp With Splash Roof 1 No.
- Theme Character 4 Nos.

- · Jet Nozzles-1No.
- Umbrella Nozzles-1 No.
- Helicone Nozzle-1No.
- 60 Deg Jet Nozzles 3 Nos.
- Support Structures & Frames as required
- GI Steel Railing with Sandwich Acrylic Panels
- Appropriate Railing for access restriction at bottom





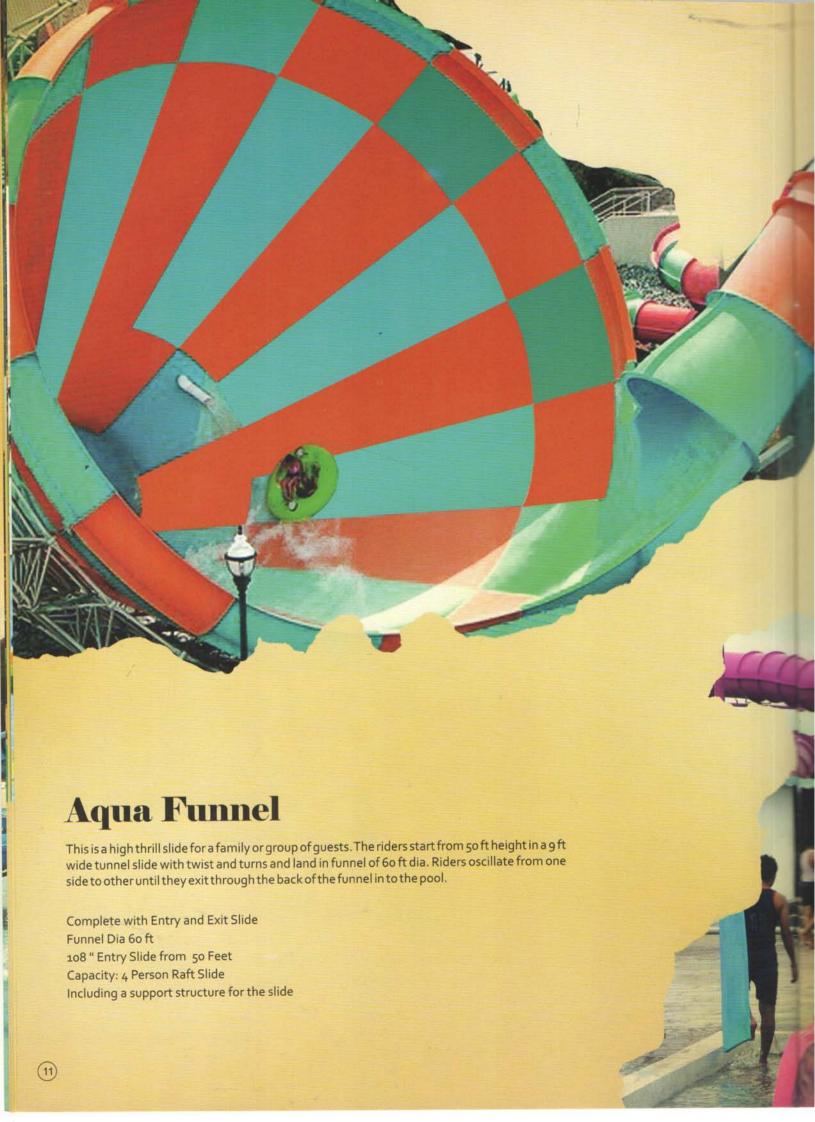
### **Theme Water Fun System 14 Platforms**

FRP Platforms - 14 Nos
FRP Staircase - 1050 Ht - 4 Nos
FRP Staircase - 2100 Ht - 3 Nos
850 mm Wide Straight Slide - 1050 Ht 2 nos
850 mm Wide Curve Slide - 1750 Ht 2 nos
2500 mm Wide Family Slide - 3550 Ht
850 mm Wide Straight Slide - 4550 HT
850 mm Wide Tunnel Curve Slide - 4725 Ht

850 mm Wide Curve Slide - 5600 Ht
850 mm Wide Curve Slide - 6125 Ht
850 mm Wide Curve Slide - 6650 Ht
850 mm Wide Curve Slide - 6650 Ht
Square Canopy - 4 Nos
Magic Lamp With Splash Roof - 2 Nos
Water Curtains with Mist Nozzles
Water Mist Nozzles - 8 Nos
Umbrella Nozzles - 2 Nos

Helicone Nozzle - 2 Nos
Hrizontal Solid Spray Nozzle - 2 Nos
Magic Wheel 3 Nos
Support Structures and Frames as required.
Character Platform Railings
Appropriate Railing for access restriction at bottom

(10)







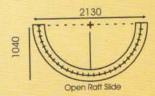




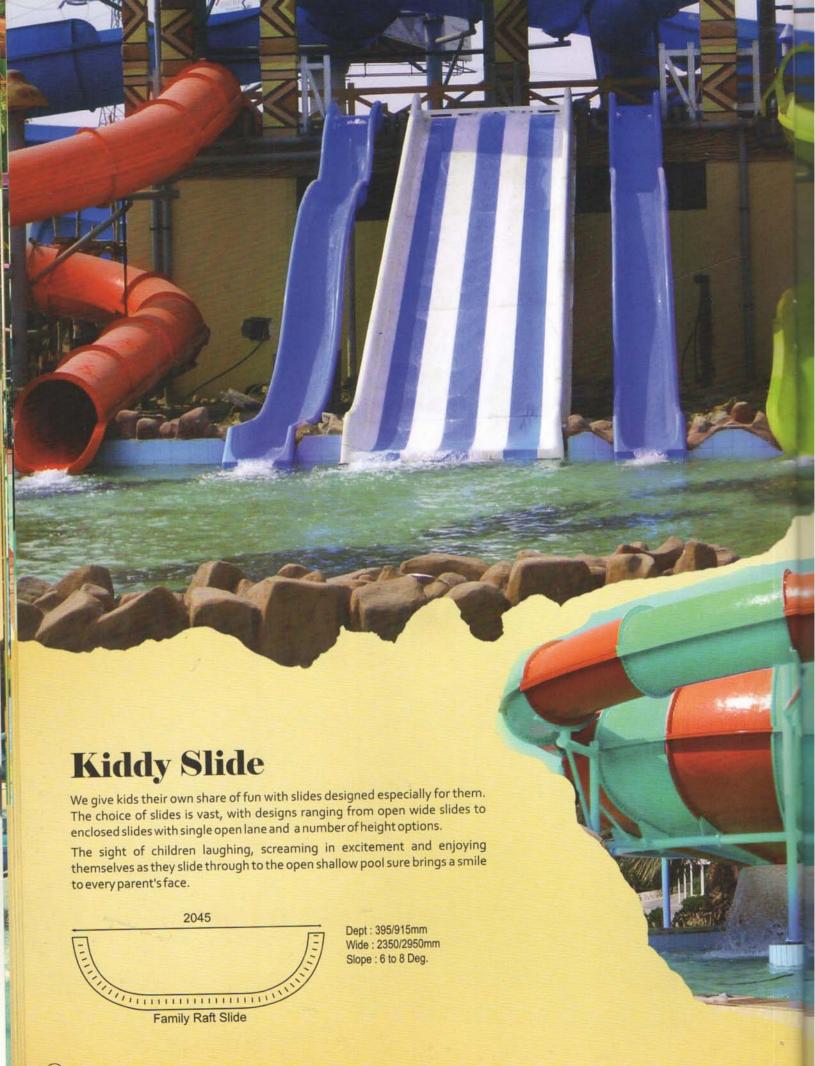
### Flume Raft Slide

If you want to experience fun together with your loved ones, then Flume Raft Slide is your ride. The raft is designed for two or more people. It takes you through different height levels and guarantees a thrilling sensation for each one of you. As you hurtle down the dark and semi-lighted sections, your heart will pound but all you'll hear is the endless screaming and then laughter, when your raft hits the shallow pool of water.

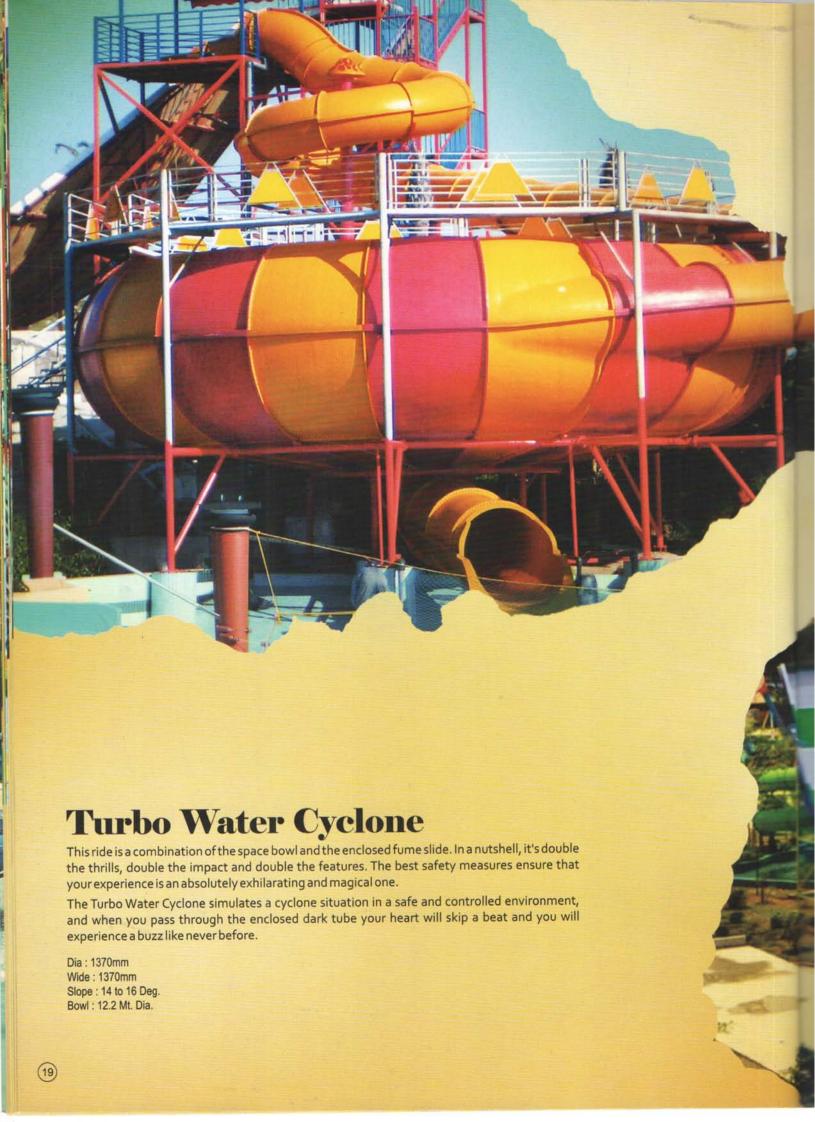
Dept: 685 / 965 mm Wide: 1570/2130 mm Slope: 6 to 8 Deg.

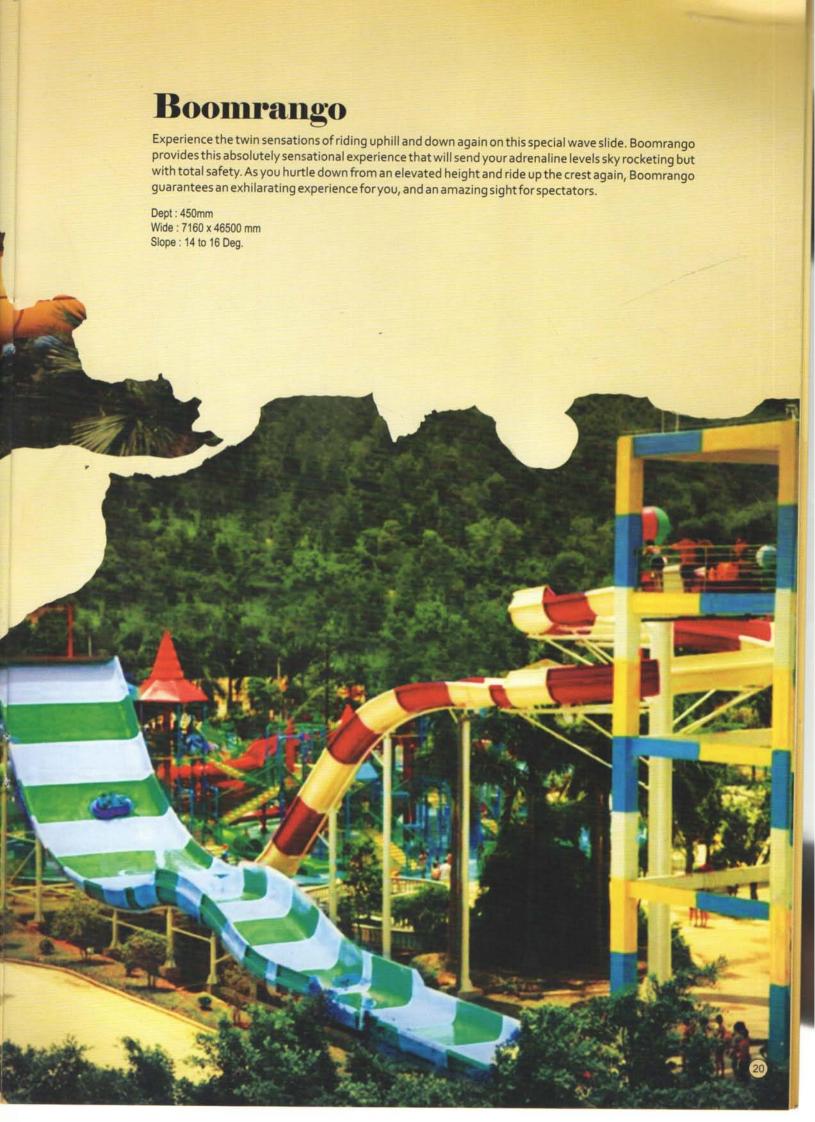


# **Speed Slide** If sliding down a waterfall is your idea of fun, then Speed Slide should be your first choice. Speed the should be your first choice and the should be your first choice. Speed the should be your first choice and the should be your first choice and the should be your first choice. Speed the should be your first choice and the should be your first choice and the should be your first choice. Speed the should be your first choice and the should be your first choice and the should be your first choice. Speed the should be your first choice and the should be your first choice and the should be your first choice. Speed the should be your first choice and the should be your first choice and the should be your first choice. Speed the should be your first choice and the should be youSlide is an open slide which drops down from a very elevated height and is designed to give you the ultimate thrill. If you think you are an adrenaline freak, then this is an experience you won't be able to resist. And since it is open, the Speed Slide is also a lot of fun for people to watch. Dept: 435 mm 1025 Wide: 1025 mm Slope: 10 to 16 Deg. Speed Slide 16







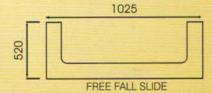


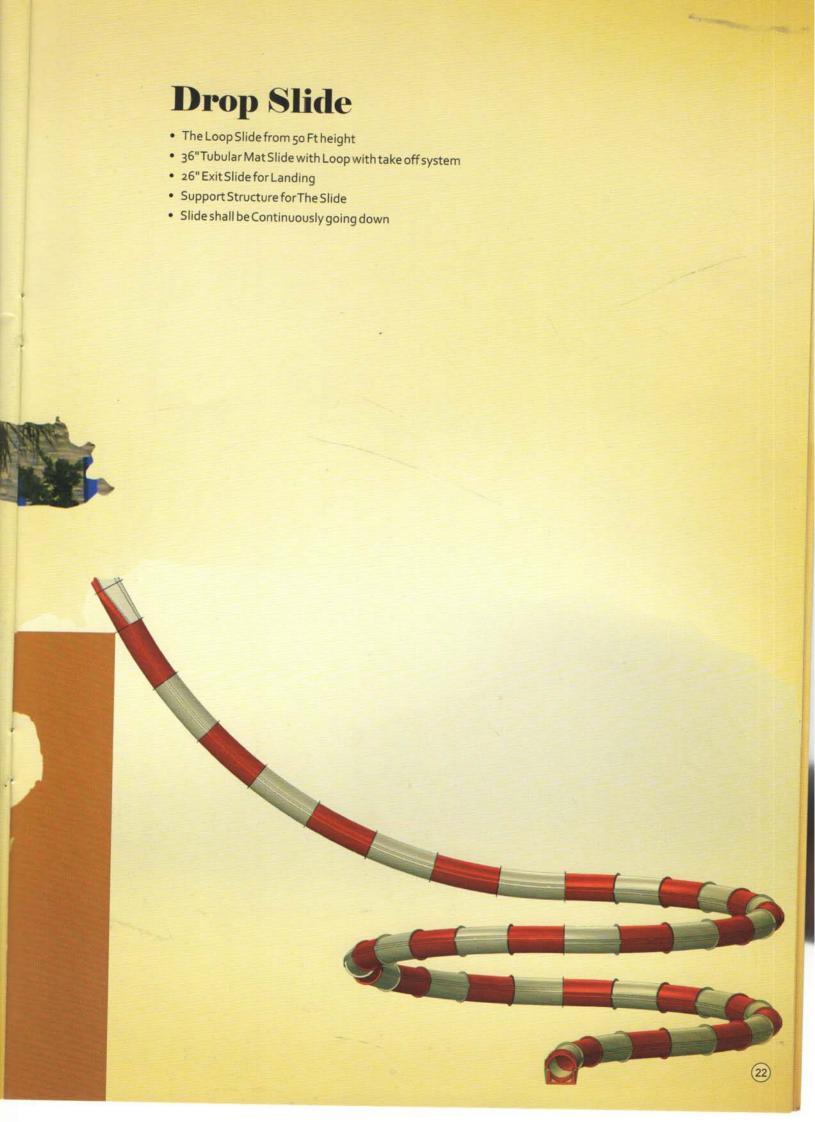


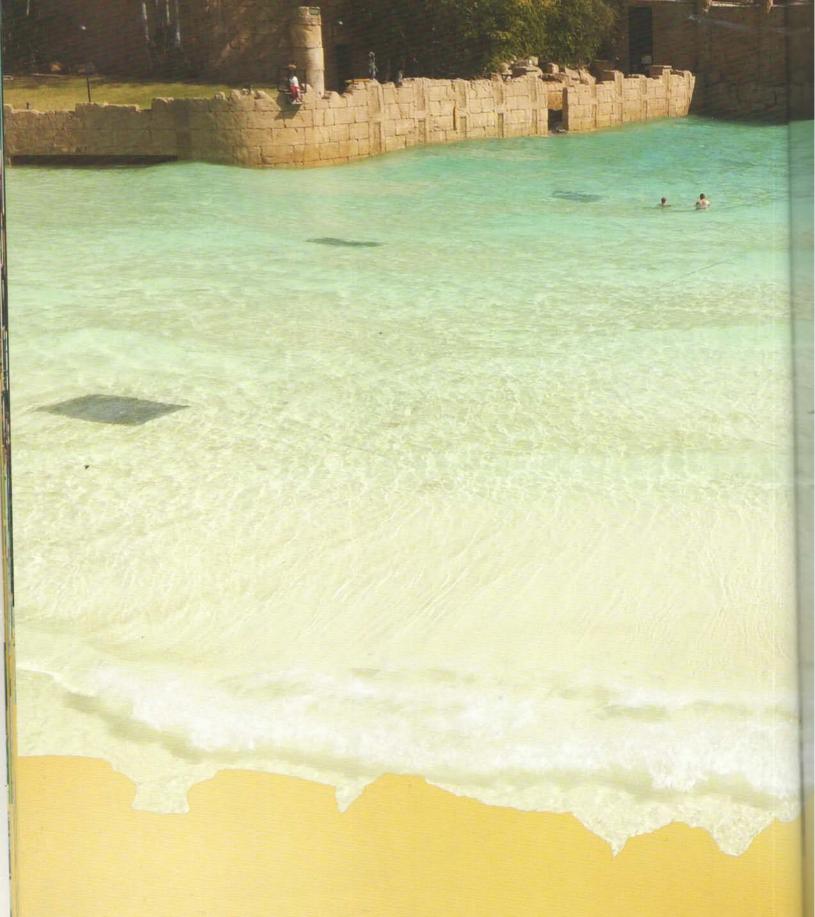
### Free Fall Slide

Give in to gravity and experience the excitement that our Free Fall Slides provide. As you are dropped from a height, feel the chill run down your spine and scream out the silent fear lurking underneath with total abandon. Give in to the excitement and ride the single lane slide that opens up to an open shallow pool of relief.

Dept: 435mm Wide: 1025 mm Slope: 10 to 16 Deg.

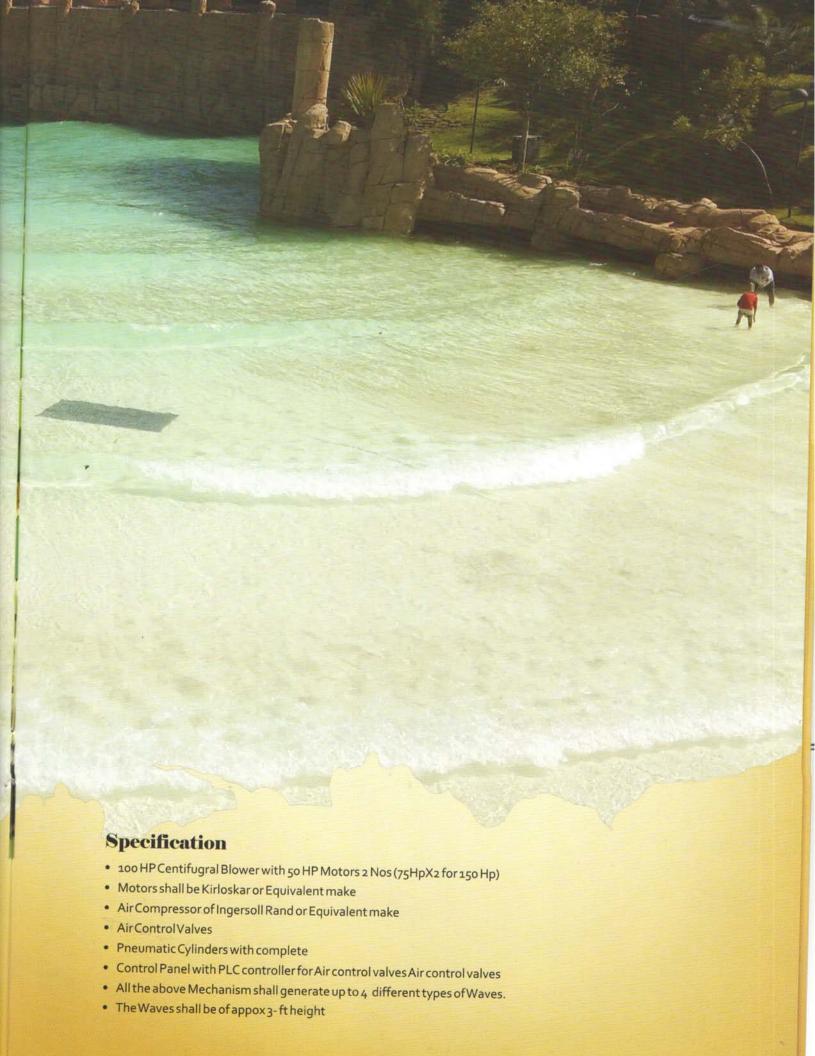




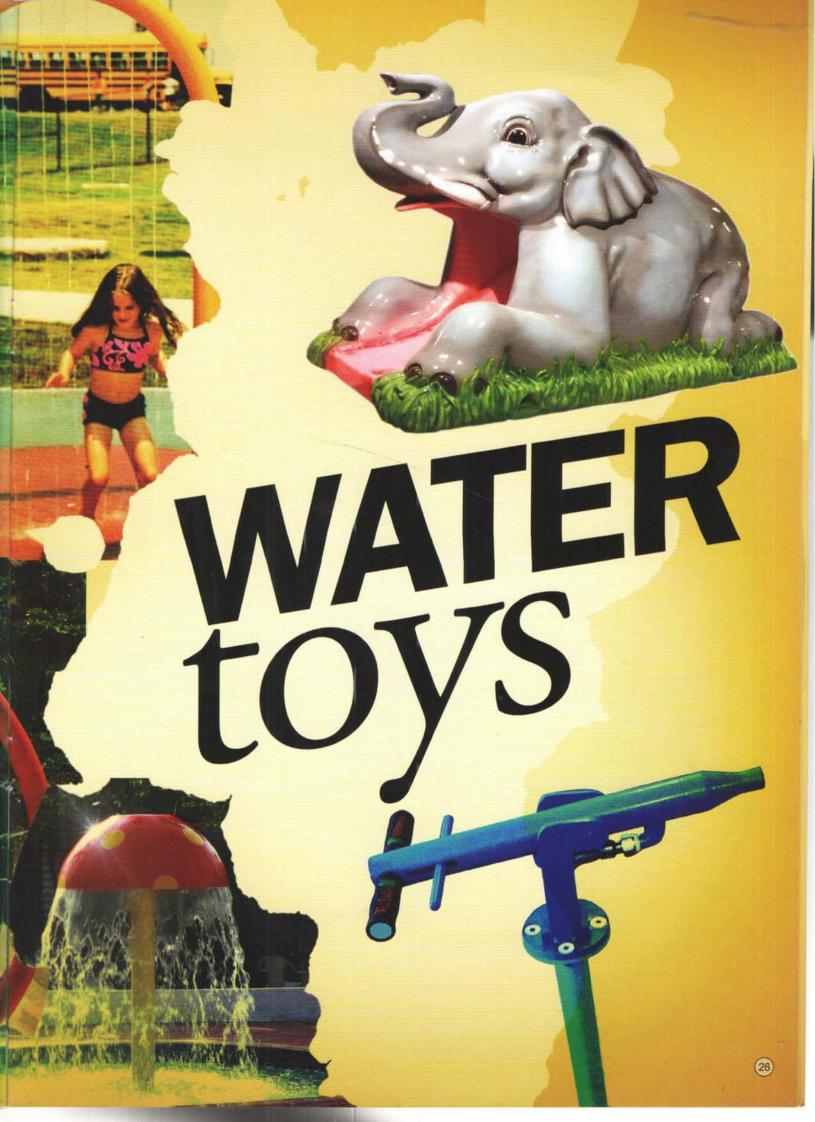


### **Wave Pool**

This computer controlled, pneumatic wave pool system is a pioneering technology equipped with advanced and innovative features. This product includes small wave pool systems to multipattern performance wave systems that can create the highest man made waves in the world. This fun and exciting technology is here and is ready to take thrills to an absolutely new level.







### **OUR SUCCESSFUL INSTALLATIONS**

### International

GREECE S. KOREA DUBAI KOREA

SAUDI ARABIA SAUDI ARABIA

BANGLADESH

BANGLADESH BANGLADESH, DHAKA

KARACHI, PAKISTAN

KENYA YEMEN

DARESALAM

COLOMBO, SRILANKA

MUSCAT, OMAN

WATER CITY WATER PARK

YONG INN WATER PARADISE GOLDEN DIRHAM CO.

JEJU WATER PARK AL SAWAT GROUP

KHALID AL RAJHITRADING Est

**NEPTUNE GROUP** 

CONCORD ENTERTAINMENT

**FUN WORLD** 

FESTA WATER PARK
WILD WATER LTD.
AL MANAL (FUN CITY)
KUNDUCHI WATER PARK

**FUN ZONE** 

RIYAM AMUSEMENT PARK

#### **Domestic-India**

GHAZIABAD BAREILLY

PUNJAB

JALANDHAR CHANDIGARH

MEERUT

MUSSOORIE

HYDERABAD DHARAMSHALA

DELHI BARODA

SURAT

BANGALORE COCHIN NEW DELHI MYSORE

KOLKATA NAGPUR JAIPUR

SURAT

MANOR

GANDHINAGAR COCHIN PUNE

AGRA AURANGABAD

LATUR RAJKOT RAJKOT VAPI

DAMAN

AHMEDABAD MEHSANA

NAL SAROVAR

SIDHPUR MALAMPURAM

CHENNAI SHIRDI MALDA **FUNDOO WORLD** 

FUN CITY DREAM LAND

WONDER LAND AMUSEMENT PARK

SURYA FUN CITY ELECTRA WORLD

WONDER WORLD AMUSEMENT PARK

RAMOJI FILM CITY HIMALAYA WONDER

DELHI RIDES SILVER CITY

JOY & JOY AMUSEMENT PARK

WONDERLLA
VEEGA LAND
KALINDI KUNJ
FUN FORT
AQUATICA
HALDIRAM
PINK PEARL

CHHAB-CHHABA-CHHAB

PHAGU RESORTS
SILVER MILES
AKSHARDHAM
SILVER STORM
RAINBOW LAND
DOLPHIN WATER PARK
H<sub>2</sub>O WATER PARK
LATUR WATER PARK
GARDEN WATER PARK

MIRASOL

GOYAL WATER PARK KHAYATI WATER PARK

KRISHNA WATER PARK VAIBHAV WATER PARK

100 ACRES

SPRINKLE WATER PARK
MALAMPURAM WATER PARK

MGM DISI WORLD SUN N SAND

MALDA WATER PARK

### Water Slides

-		Ht. of slide	Section of Slide	Lth. of Slide	Wdth. of Guard	Lth. of Sty guard
1a	Multi Lane 3 Lane Width: 112"Inch (2845mm)	ft. (mts.) 20 (6) 30 (9) 40 (12) 50 (15)	ft. (mts.) 16.75 (5.08) 16.75 (5.08) 16.75 (5.08) 16.75 (5.08)	ft. (mts.) 66 (20) 112 (34) 174 (53) 213 (65)	inches (mm)	ft. (mts.)
b	Multi Lane 4 Lane Width: 145*Inch (3683mm)	20 (6) 30 (9) 40 (12) 50 (15)	20.95 (6.38) 20.95 (6.38) 20.95 (6.38) 20.95 (6.38)	66 (20) 112 (34) 174 (53) 213 (65)	i	
С	Multi Lane 5 Lane Width: 179*Inch (4546mm)	20 (6) 30 (9) 40 (12) 50 (15)	25.23 (7.69) 25.23 (7.69) 25.23 (7.69) 25.23 (7.69)	66 (20) 112 (34) 174 (53) 213 (65)		
đ	Multi Lane 6 Lane Width: 212*Inch (5385mm)	20 (6) 30 (9) 40 (12) 50 (15)	29.50 (8.99) 29.50 (8.99) 29.50 (8.99) 29.50 (8.99)	66 (20) 112 (34) 174 (53) 213 (65)	:	
е	Multi Lane 7 Lane Width: 212"Inch (5385mm)	20 (6) 30 (9) 40 (12) 50 (15)	- 33.78 (10.30) 33.78 (10.30) 33.78 (10.30) 33.78 (10.30)	66 (20) 112 (34) 174 (53) 213 (65)		
2	Body Slide (Giant Octopus) Width: 42*Inch (1067mm)	20 (6) 30 (9) 40 (12) 50 (15)	7.13 (2.17) 7.13 (2.17) 7.13 (2.17) 7.13 (2.17) 7.13 (2.17)	164 (50) 246 (75) 328 (100) 410 (125)	15" (381) 15" (381) 15" (381) 15" (381)	131 (40) 197 (60) 262 (80) 328 (100)
3	Aqua Tube Slide Width: 33*Inch (838mm)	20 (6) 30 (9) 40 (12) 50 (15)	10.60 (3.23) 10.60 (3.23) 10.60 (3.23) 10.60 (3.23)	164 (50) 233 (71) 295 (90) 400 (122)		
4	Aqua Tube Slide Width: 54*Inch (1371mm)	20 (6) 30 (9) 40 (12) 50 (15)	16.10 (4.91) 16.10 (4.91) 16.10 (4.91) 16.10 (4.91)	164 (50) 233 (71) 295 (90) 400 (122)	:	
5	Flume Raft Slide Width: 54"Inch (1371mm)	30 (9) 40 (12)	8.05 (2.45) 8.05 (2.45)	263(80) 328(100)	20" (508) 20" (508)	230(70) 275(84)
6	Flume Raft Slide Width: 76"Inch (1930mm)	30 (9) 40 (12)	10.92 (3.33) 10.92 (3.33)	262(80) 344(105)	20" (508) 20" (508)	230(70) 295(90)
7	Flume Raft Slide Width: 108"Inch (2743mm)	30 (9) 40 (12)	14.13 (4.31) 14.13 (4.31)	262(80) 344(105)	30" (762) 30" (762)	210(64) 275(84)
3	Aqua Twister Width: 33"Inch (838mm)	30 (9) 40 (12)	10.60 (3.23) 10.60 (3.23)	197(90) Each 295(120) Each		•
)	Harakiri Width: 54"Inch (1371mm)	30 (9) 40 (12) 50 (15)	9.22 (2.81) 9.22 (2.81) 9.22 (2.81)	115 (35) 180 (55) 223 (68)	•	
0	Speed Slide Width: 28"Inch (711mm)	30 (9) 40 (12) 50 (15)	8.98 (2.74) 8.98 (2.74) 8.98 (2.74)	121 (37) 187 (57) 230 (70)		

### **Kiddies Slides**

		Ht. of slide	Section of Slide	Lth. of Slide	Wdth. of Guard	Lth. of Sty guard
1	Body Slide Width: 33"Inch (838mm)	ft. (mts.) 10 (3) 12 (3.6) 15 (4.6)	ft. (mts.) 5.30 (1.61) 5.30 (1.61) 5.30 (1.61)	ft. (mts.) 33(10) 82(25) 125(38)	inches (mm) 10" (254) 10" (254) 10" (254)	ft. (mts.) 21.3 (6.5) 53(16) 99(30)
2	Zip Dip/Ramp (Free Fall Slide) Width: 22*Inch (559mm)	10 (3) 12 (3.6) 15 (4.6)	4.21 (1.28) 4.21 (1.28) 4.21 (1.28)	33(10) 43(13) 49(15)		
3	Tube Slide Width: 33*Inch (838mm)	10 (3) 12 (3.6) 15 (4.6)	10.60 (3.23) 10.60 (3.23) 10.60 (3.23)	33(10) 82(25) 125(38)		:
4	Family Slide Width: 80"Inch (2032mm)	10 (3) 12 (3.6) 15 (4.6)	12.74 (3.88) 12.74 (3.88) 12.74 (3.88)	36(11) 43(13) 53(16)	:	:
5	Family Slide Width: 120"Inch (3048mm)	10 (3) 12 (3.6) 15 (4.6)	16.82 (5.13) 16.82 (5.13) 16.82 (5.13)	36(11) 43(13) 53(16)	:	:

### Slides

_			
1.	Boomerango Width: 41"Inch	Ht. of slide ft. (mts.)	Lth. of Tube ft. (mts.)
2	Turbo Cyclone (Big Cyclone) Width: 54*Inch (1370mm) Bowl Dia: 40ft (12.20mtrs)	41 (12.5)	131 (40)
3	Side Winder (Pendulam) Width: 30"Inch (9.15mm)	L.(84')x W(3*	1
4	Cyclone (Water Cyclone) Bowl Dia21'(6.4) Width: 33"Inch (838mm)	40 (12.19)	148 (45)
5	Fibre Glass Character Slides Elephant Other Models		

### Water Play Pen

Children Water Play Ground Small (3 Platform)

#### Features

- · Pipe Falls
- · Single Poly Slide
- · Over Head Water Rain
- · Spiral Slide
- 2. Children Water Play Ground Small ( 4 Platform )

#### Features

- · Bubble Jet
- · Pipe Falls
- · Tunnel Slide
- · Single Poly Slide
- · Over Head Water Rain
- · Spiral Slide
- 3 Children Water Play Ground ( 6 Platform )

#### Features

- · Giant Tipping Bucket
- · Bubble Jet

- · Pipe Falls
- Tunnel Slide
- Climbing Net
- Crawl Tunnel
- · Double Poly Slide
- · Over Head Water Rain
- · Spiral Slide
- 4. Children Water Play Ground (8 Platform)

#### Features

- Giant Tipping Bucket
- Bubble Jet
- · Pull Ropes
- · Pipe Falls
- · Tunnel Slide
- · Climbing Net
- · Crawl Tunnel
- · Double Poly Slide
- · Over Head Tipping Cones
- · Over Head Water Curtain
- · Spiral Slide

### 5. Multi Stage Water Play Station ( 10 Platform )

Name	Height	Quantity	
Tube 33" Inch	20 ft (6.09 mtrs)	1no	Theme Options
Ramp Slide	8 ft (2.44 mtrs)	1 no	Bird Sanctuary Theme
Wet Bubble	8 ft (2.44 mtrs)	1 no	Pirate Boat Theme
Body Slide 33" Inch	20 ft (6.09 mtrs)	1 no	Sea World Theme
Multi Lane – 2 Lane	12 ft (3.65 mtrs)	2 Lanes	
Hexagonal Platform	From 8 ft (2.44 mtrs) to 24 ft (7.32 mtrs)	9 nos	
Square Platform	From 4 ft (1.22 mtrs) to 12 ft (3.66 mtrs)	1 no	
Rotating Umbrella	10 12 11 (0.00 1110)	2 nos	
Tilting Bucket		1 no	
Rotary Wheel		4 nos	
Roof		4 nos	
Attraction		10 Different Features	
Stair		As Required	

#### 6. Multi Stage Water Play Station (12 Platform)

Name	Height	Quantity	
Tube 33" Inch	24 ft (7.31 mtrs)	1no	Theme Options
Tube 33" Inch	16 ft (4.88 mtrs)	1 no	Bird Sanctuary Theme
Ramp Slide	8 ft (2.44 mtrs)	1 no	Pirate Boat Theme
Wet Bubble	8 ft (2.44 mtrs)	1 no	Sea World Theme
Body Slide 33" Inch	30 ft (9.14 mtrs)	1 no	
Body Slide 33" Inch	20 ft (6.09 mtrs)	1 no	
Multi Lane – 2 Lane	12 ft (3.65 mtrs)	2 Lanes	
Hexagonal Platform	From 8 ft (2.44 mtrs)	11 nos	
	to 24 ft (7.32 mtrs)		
Square Platform	From 4 ft (1.22 mtrs)	1 no	
	to 12 ft (3.66 mtrs)		
Rotating Umbrella		2 nos	
Tilting Bucket		1 no	
Rotary Wheel		4 nos	
Roof		4 nos	
Attraction		10 Different Features	
Stair		As Required	

Note

All lengths shown in table are approx. & for general calculation.
Final lengths will be calculated from final drawing.
We are the FIRST one to use RTM technology & multiaxial fibres for WATERSLIDES moulding, it is better, stronger & lighter then chopped & roving mat.

# General Specifications & FRP Construction Procedures.

Water Slides: Configuration of slides shall be as per submitted drawing.

FRP Construction: The FRP (Fiber Reinforced Plastic) is moulded with hand layup method (contact moulding) and is building up as following.

- 1. Top layer: ISO Neo Pentyl Gel Coat (Scott Bader UK) mixed with high loaded UV Stabilized pigment
- 2. Second layer: ISO Neo Pentyl Gel Coat (Scott Bader UK)
- 3. Third layer: Chopped Strand Matt 300 GSM with ISO Resin.
- 4. Fourth Layer: Chopped Strand Matt 450 GSM with ISO Resin
- 5. Fifth Layer: Chopped Strand Matt 450 GSM with ISO Resin
- 6. Sixth Layer: Chopped Strand Matt 450 GSM with ISO Resin
- 7. Seventh Layer: Chopped Strand Matt 450 GSM with ISO Resin
- 8. Eight Layer: Chopped Strand Matt 450 GSM with ISO Resin
- 9. Ninth Layer: Special Protection Coat with Resin
- 10. Tenth Layer: Special Protection Coat of Poly Urea Fibre Coat.
- 11. Total thickness of Fibre Glass is 5.5mm to 6.0mm and on Flanges it is around 7 to 8 mm

#### The FRP material are used as follows

- a. Chopped strand mat: Owen Cornings Ltd. (www.owenscorning.com) or equivalent.
- 2. Gel coat is of Scott Badder, UK
- 3. Resin: Satyen Polymers (http://www.satyenpolymers.com) or equivalent.
- 4. Pigment: Kromatiks Products Pvt. Ltd and Colourtech Products Pvt. Ltd. or equivalent.

#### Slide Joints:

- 1. The slide joints are water leak proofed with a suitable weather resistant rubble sealant.
- 2. The assembly of two modules is done with m- 10 SS- 304 bolts, nuts and washers equispaced at 150mm approximately.

### Slide Support

- 1. The support is fabricated using pre galvanized pipes up to 80- 150 nb size.
- 2. A.M. S profiles used for fitment of the support to the slide are hot dip galvanized.
- 3. The Pipes confirm to IS 1239.
- 4. Main supporting pipes will be of class C and Braising support will be of class C.
- 5. All Base Plates and flanges used will be "D table "

### **Support Structure Painting**

- 1. All Welded joints and potential rust points on the galvanized Structure is coated with a special Korean Primer.
- 2. The structure is then cleaned using Special solvents to clean the surface of oil, grease and dust.
- 3. 2 Coats of Epoxy Primer is applied as a base coat thro spray painting.
- 4. Two Coats of PU paint is then applied a good finish and look.
- 5. The Total DFT Achieved is about 100 microns.

