



# **COST BILLING SUBMISSION REPORT**

**APEX RACING TEAM**

**SSN COLLEGE OF ENGINEERING**



# **COST SPLIT-UP FOR EACH DOMAIN**

<b>DOMAIN</b>	<b>COST (Rs.)</b>
CHASSIS	10,382.5
BRAKING SYSTEM	5,226
ENGINE AND TRANSMISSION	25,600
STEERING SYSTEM	10,050
INNOVATION	8,423
ELECTRICAL AND SAFETY	12,775
MISCELLANEOUS	29,800

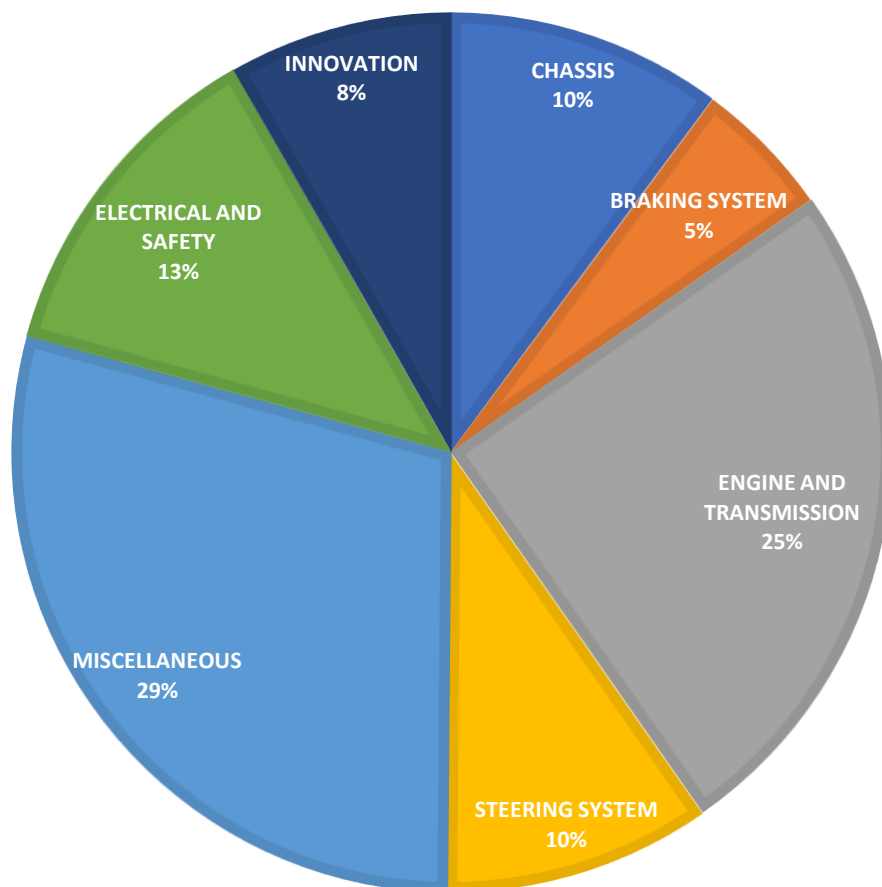
**TOTAL COST: Rs.1,02,256.5**

TOTAL COST FOR FABRICATION : Rs. 32,605.5

TOTAL COST FOR STORE BOUGHT: Rs. 69,651.0

## COST

- CHASSIS
- BRAKING SYSTEM
- ENGINE AND TRANSMISSION
- STEERING SYSTEM
- MISCELLANEOUS
- ELECTRICAL AND SAFETY
- INNOVATION



# **COMPONENTS OF EACH sDOMAIN AND THEIR COST (in Rs)**

## **CHASSIS:**

- MAIN FRAME - 6,115
- FRONT BUMPER -1,140
- BACK BUMPER - 1,070
- SIDE BUMPER - 857.5

## **BRAKING SYSTEM:**

- BRAKE PEDAL - 100
- BRAKE PEDAL MOUNT - 120
- MARKER CYLINDER – 1,100
- MARKER CYLINDER MOUNT - 60
- BRAKE HOSE - 500
- CALIPER – 1,336
- CALIPER MOUNT - 40
- CALIPER DISC - 850
- BRAKE OIL RESERVOIR - 120
- RESERVOIR MOUNT - 30
- BRAKE HUB - 650
- BRAKE HUB KEY - 200
- 4 ALLEN BOLTS M10 - 80
- M10 2 LOCK NUTS - 40

## **ENGINE AND TRANSMISSION:**

- R15 ENGINE - 15,000
- ENGINE MOUNT - 400

- ENGINE WIRING - 2,000
- FUEL TANK - 700
- FUEL TANK MOUNT - 115
- FUEL SPILLOVER PRODUCTION - 275
- FUEL DRAIN PIPE - 80
- COOLANT BOX - 130
- RADIATOR MOUNT - 100
- EXHAUST - 900
- EXHAUST PIPE - 100
- EXHAUST SHIELDING - 200
- AIR FILTER - 250
- ACCELERATOR CABLE - 200
- CLUTCH CABLE - 200
- TROTTLER PEDAL - 400
- TROTTLER PEDAL MOUNT - 80
- TROTTLER CABLE MOUNT - 40
- TROTTLER POSITIVE STOP - 20
- GEAR CABLES x2 - 350
- GEAR AND CLUTCH MOUNT - 115
- GEAR TENSION MOUNT - 60
- CHAIN - 700
- CHAIN MAIN LINK - 60
- SPROCKET HUB - 650
- SPROCKET HUB KEY - 80
- REAR AXLE - 800
- PEDAL BEARING x2 - 900
- PEDAL BEARING MOUNT x2 - 400
- M12 x4 - 80
- M10 x2 - 40
- M8 BOLTS & LOCK NUTS - 20
- M6 TENSION NUT - 20
- CLUTCH LEVEL GRIP - 100
- M10 WASHER - 15

## **STEERING SYSTEM:**

- TIE ROD X2 -1,600
- TRIANGULAR PLATE - 200
- STEERING COLUMN - 400
- STEERING SUPPORT - 300
- STEERING WHEEL ROD - 300
- UNIVERSAL JOINT -1,200
- STEERING KNUCKLE X2 - 2,400
- STEERING MOUNT - 35
- STEERING HUB - 650
- STEERING WHEEL -1,500
- M6 BOLT & LOCK NUT - 20
- KING PIN X2 - 900
- 4 BEARINGS 10mm - 400
- M8 ALLEN'S BOLT - 20
- M10 X2 - 40
- M12 LOCK NUTS X2 - 40
- STEERING ROD SUPPORT - 45

## **INNOVATION:**

- SINGLE NUT CLAMP WASHER - 2,768
- ARDUINO MEGA -1,900
- OLED - 500
- RELAYS - 240
- MUPU6050 - 180
- NEO6M - 350
- SIM800L - 350
- TOGGLE SWITCH - 60
- V/A DISPLAY - 275
- 3DbI ANTENNA - 300
- MISCELLANEOUS - 1,500

## **ELECTRICAL AND SAFETY:**

- KILL SWITCH X2 - 400
- IGNITION SWITCH - 275
- FIREWALL -1,630
- FIREWALL MOUNT - 80
- FIRE EXTINGUISHER MOUNT - 40
- BOT - 300
- BRAKE LIGHT - 650
- BRAKE LIGHT MOUNT - 40
- INSULATION TAPING - 60
- HITCHPOINT X2 - 530
- JACKPOINT X2 - 300
- SEAT - 2,500
- SEAT MOUNT - 100
- M8 BOLT & LOCKNUT - 20
- BATTERY - 1550
- ALUMINIUM FLOOR CLOSER -3,500
- FLOOR CLOSER MOUNT CLAMP - 100
- SILICON TAPE - 600
- BUMPER MOUNTS - 100

## **MISCELLANEOUS:**

- REAR RIM X2 - 6,000
- FRONT RIM X2 - 4,000
- PAINT - 700
- REAR WHEEL HUB X2 -1,200
- BODY WORKS - 6,500
- REAR WHEEL HUB KEY - 400
- FRONT WHEELS X2 - 5,000
- BACK WHEELS X2 - 6,000