

## About us

Established in 1925 at Vadakankulam, a small village in South India, we are pioneers and leading manufacturers and exporters of church bells and other church requisities such as vessels for Holy Eucharist, altar railings etc.

## Highlights

- Our traditionally skilled craftsmen cast bells in pure bronze in compliance with British Bell makers' specifications
- At AICS the bells are cast manually. This ensures good sound and longevity
- Testing of bell metal by boring is carried out annually at the Ministry of Industries Regional Testing Centre at Chennai, to ensure quality

The test reveals the following composition in our sample:  
Copper 75.1%, Tin 18.69%,  
Zinc 3.59%

## Church bells

Details of bells with specification

Size of Bell* (in Inch)	App. Weight (in kg)
13	30
15	40
17	60
18	80
21	110
24	150
27	175
30	250
33	300
36	350
38	400
40	450
44	500

\* The size of the bell denotes the diameter of the mouth of the bell. Normally the height of the bell will be 10% shorter than the diameter of the mouth.

♦ The weight given here against the size of the bell is only approximate and a margin of  $\pm 10\%$  should be allowed.

## Swinging accessories(ACC)

This includes a Swinging arm, Two Metal Bushes, Bearings, a Wheel, a Tongue, Bolts & Nuts.

## Estimate

Estimate for Church Bells  
(Effective from 01.01.2012)

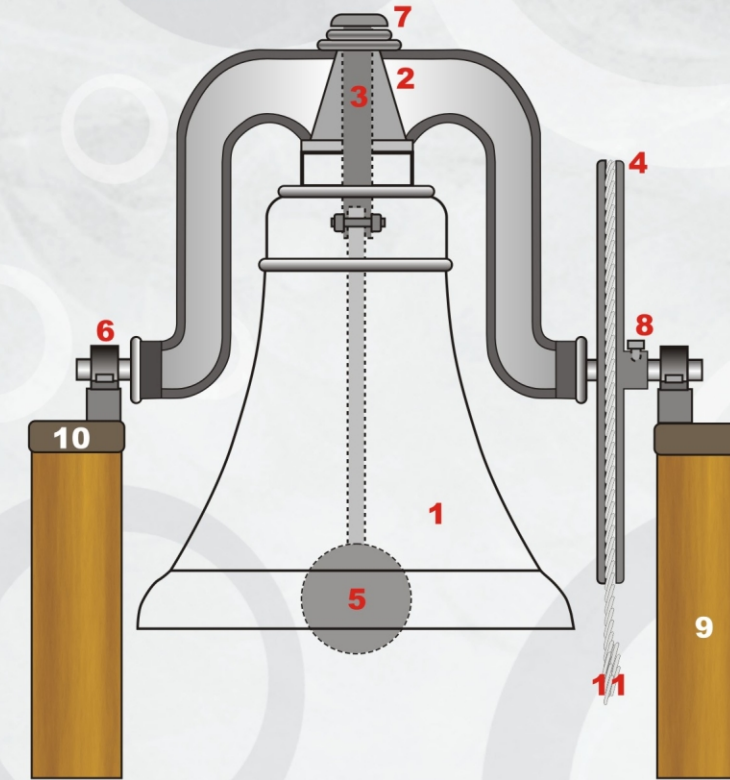
Sl.no.	Dia inch	Height inch	Weight kg	Wastage kg	Net kg	Labour cost ₹	Material Cost ₹	ACC Cost ₹	Total Cost ₹
1	13	10	30	2	28	15,000	21,000	7000	43,000
2	15	13	40	3	37	20,000	28,000	7000	55,000
3	17	15	60	4	56	30,000	42,000	7000	79,000
4	18	17	80	4	76	40,000	56,000	8000	1,04,000
5	21	22	110	5	105	55,000	77,000	9000	1,41,000
6	24	22	150	7	143	75,000	1,05,000	9000	1,89,000
7	27	25	175	12	163	87,500	1,22,500	10,000	2,20,000
8	30	28	250	15	235	1,25,000	1,75,000	15,000	3,15,000
9	33	31	300	18	282	1,50,000	2,10,000	15,000	3,75,000
10	36	34	350	24	326	1,75,000	2,45,000	18,000	4,38,000
11	38	36	400	28	372	2,00,000	2,80,000	22,000	5,02,000
12	40	38	450	32	418	2,25,000	3,15,000	22,000	5,62,000
13	44	46	500	35	465	2,50,000	3,50,000	22,000	6,22,000

♦ We are also making bells on labour contract basis.

♦ Labour cost : 30 kg to 500 kg at ₹500/ kg; Material Cost : ₹700/ kg

♦ Metal composition : Copper 75%, Tin 19%, Zinc 3%

## Assembled View



1. Bronze Church bell 2. Swinging arm 3. Centre bolt (Connects the swinging arm and bell) 4. Swinging wheel 5. Gong (connected to the centre bolt) 6. Bearings (Connected to the swinging arm) 7. Centre bolt and nut 8. Fastener bolt for swinging wheel 9. Bed beams 10. Vibration arresting wooden block 11. Operating Rope

## Erection procedure

The bell is sent to you with the swinging arm fixed. The wheel is packed separately. The following points will guide you in erecting the bell.

- At one end of the swinging accessory, there is a slot (Gadi) in the shaft. The swinging wheel has to be inserted into the shaft in such a way that the threaded hole part is at the outer side. The fastener bolt (8) should be tightened through the thread on the wheel until it fits firmly in the slot.

- Fix the shaft ends on strong wooden blocks (10) which are spaced exactly in order to accommodate the end bushes.
- Attach the bearings at the edges of the shaft (6) (The bearings should be close to the bell to prevent any horizontal movement of the bell). The tongue or striker (5) is to be attached to the centre bolt (3) and fastened with a bolt nut and a check nut.
- Pass the end of the rope (11) through the hole in the wheel (4) and knot the rope at the inner side of the wheel. The rope should be twined twice around the wheel groove. This will facilitate giving strokes on either side of the bell. The rope should be tied loosely at two or three places on the wheel. This will prevent slipping of the rope from the groove while operating the bell.
- Please ensure that the bearings are lubricated with grease at regular intervals (at least once in three months).
- There is no doubt that our bell will give you trouble free ringing for decades. It is almost everlasting.



300 kg



110 kg



250 kg

(With engraving of Mary)



A finished bell packed and ready for hauling (550kg)

### Terms & Conditions

- 60% of the total value of the bell should be paid at the time of placing the order and the balance must be paid at the time of delivery
- 7% of the total value of the bell will be charged extra as wastage
- Cost of swinging accessories will be charged extra
- Delivery Time : 8 to 12 weeks from the date of receipt of confirmed order and advance
- Transport : The prices quoted are ex factory and the freight charges are to be borne by the buyer
- Guarantee : Any manufacturing defect will be rectified free of cost for a period of one year from the date of delivery
- Erection Charges : The erection charge quoted is for the supervision work only. It does not include the civil work cost or other related expenditure

30 kg



175 kg



500 kg



200 kg

Ground level installation

175 kg

250 kg

350 kg

Music bells



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