

From

Chief Town Planner,  
Punjab, Chandigarh.

To

1. Chief Coordinator & Planner,  
E.R.P.D.O., Chandigarh.
2. Senior Town Planner(S), Patiala/Senior Town Planner (N), Jalandhar/Senior  
Town Planner, Ranjitgarh New City Project Phillaur)
3. Regional Planner, Chandigarh
4. Area Planner, Chandigarh/Hoshiarpur/Amritsar.
5. Divisional Town Planner  
Amritsar/ Jalandhar/ Gurdaspur/ Ferozpur/Ludhiana/Patiala/ Bathinda /  
Mohali / Mandi Divn./ Chandigarh

Memo No. 1050-67

-CTP(Pb) / SP-135

Dated: 6-3-86.

**Subject:- Adoption of Metric Scales for preparation of Plans.**

No. 153-68  
CTP (Pb)  
SP-135

Dt. 10.01.86

Instruction to follow the metric scales for preparation of different types of plan in the Deptt. were issued vide marginally noted reference. The metric scales, road widths in metres and different categories of plot sizes with dimensions have been worked out for uniform adoption in the Deptt. It is requested that all plans i.e. Master Plan drgs., Controlled Area drgs., Urban Estate drgs., Dev. Schemes drgs., T.P. Schemes drgs., Building Control Sheets etc. may in future be drawn in Metric system adopting suitable Metric Scales, road widths, plot sizes & dimensions etc as given below:-

A. METRIC SCALES :

1CM = 1M (1: 100)                      1CM=200 M (1:20000)

1CM = 2M (1: 200)

1CM = 5M (1: 500)

1CM = 10M (1: 1000)

1CM = 20M (1: 2000)

1CM = 25M (1: 2500)

1CM = 30M (1: 3000)

1CM = 40M (1: 4000)

1CM = 60M (1: 6000)

1CM = 80M (1: 8000)

1CM = 100M (1: 10000)

1CM = 150M (1: 15000)

**B. ROAD WIDTHS:**

6.5.M in place of 20' road.

7.5 M in place of 24' road.

10 M in place of 30' road.

15 M in place of 45' road.

20 M in place of 60' road.

25 M in place of 80' road.

30 M in place of 100' road.

35 M in place of 120' road.

60 M in place of 200; road.

**C. PLOT SIZES AND DIMENSTIONS :**

15 M x 28 M = 420 Sq.Mts.

12.5 M x 28 M = 350 Sq.Mts.

11 M x 23 M = 253 Sq.Mts.

9 M x 23 M = 207 Sq.Mts.

9 M x 18 M = 162 Sq.Mts.

7.5 M x 18 M =135 Sq.Mts.

6 M x 14 M = 84 Sq.Mts.

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**DIFFERENT SCALES USED IN THE STATE OF PUNJAB FOR THE MEASUREMENT OF LAND**

A Throughout the State in a single gradual rotation of 5 years commencing from the agricultural year 1971-72 and ending with the agricultural year 1975-76 as also from the agricultural year 1976-77 in toto:-

i)	1 Meter	39.3701 inches or 1.0936138 yards
ii)	1 Sq meter or 1 Centare	1.1959912 Sq Yds.
iii)	100 Centares or 1 Are	119.59912 Sq. Yds
iv)	100 Ares or 1 Hectare	11959.912 Sq. Yds
v)	1 Hectare	2.471055 Acres
vi)	1 Acre	4840 Sq. Yds
vii)	100 Hectares or 1 Sq. Kilometer	0.386 Sq. Mile or 247.1 Acres

viii)	1760 yards	1 ( Status) Mile or 1.6093 Kilo Meter
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B	1Karam x 1Karam	=	1 Sq. karam or Sarsahi
	9 Sarsahi	=	1 Marla
	20 Marlas	=	1 Kanal

C (i) In all areas consolidated on the basis of the standard measure of 66 inches i.e. Karam or Gatha: -

1.	1 Sq. Karam or Sarsahi	3.3611111 Sq.yds.
2.	9 Sarsahies or 1 Marla	30.249999 Sq.yds say 30.25 Sq.yds.
3.	20 Marlas or 1 Kanal	604.99996 Sq.yds say 605 Sq.yds.
4.	160 Marlas or 8 Kanals	4839.99998 Sq.yds. say 4840 Sq.yds. (1 acre)

(ii) In the areas consolidated on the basis of the local measure and the non-consolidated areas of Amritsar, Gurdaspur, (except Shahpur Hill Circle and Chak Andar in Pathankot tehsil), Ferozepur (except Fazilka) and the erstwhile princely State of Faridkot:-

1.	1 Karam	60 inches
2.	1 Sq. Karam or Sarsahi	2.777777 Sq. yds.
3.	9 Sarsahies or 1 Marla	24.999999 Sq. yards say 25 Sq. yards.
4.	20 Marlas or 1 Kanal	499.9999 Sq. yards say 500 Sq. yards
5.	193.60 Marlas (9 Kanals 13 Marlas 5 Sarsahis)	1 Acre or 4840 Sq.yds

(iii) In the areas consolidated on the basis of the local measure and the non-consolidated areas of Hoshiarpur, Jalandhar, Anandpur Sahib (Ropar) and the Shahpur hill Circle in Gurdaspur District:-

1.	1 Karam	57.5 inches
2.	1 Sq. Karam or Sarsahi	2.5511188 Sq.yds.
3.	9 Sarsahies or 1 Marla	22.960069 Sq.yards say 22.96 Sq.yds
4.	20 Marlas or 1 Kanal	459.20138 Sq.yards say 459 Sq.yards.
5.	210.80 Marlas (10 Kanals 10 Marlas 7 Sarsahis)	1 Acre or 4840 Sq.yds.

(iv) In the area consolidated on the basis of the local measure and the non-consolidated areas of the erstwhile princely State of Kapurthala:-

1.	1 Karam	54 inches
2.	1 Sq. Karam or Sarsahi	2.25 Sq.yds.
3.	9 Sarsahies or 1 Marla	20.25 Sq.yards
4.	20 Marlas or 1 Kanal	405 Sq.yards.
5.	239 Marlas (11 Kanals)	1 Acre or 4840 Sq.yds. 19 Marlas)

D	1 Karam or Gatha x 1 Karam or Gatha	1 Sq. Karam or Biswansi
	20 Biswansis	1 Biswa
	20 Biswa	1 Bigha

E (i) In the areas consolidated on the basis of the local measure and the non-consolidated areas of Ludhiana District and the erstwhile princely State of Jind.

1.	1 Karam or Gatha	99 inches
2.	1 Sq. Karam or Biswansi	7.5625 Sq.yds.
3.	20 Bishwansis or Biswa	151.25 Sq.yards.
4.	20 Biswas or 1 Bigha	3025 Sq.yards.
5.	32 Biswas (1 Bigha 12 Biswas)	1 Acre or 4840 Sq.yds.

(ii) In the areas consolidated on the basis of the local measure and the non-consolidated area of Fazilka (Ferozepur), Ropar (except Anandpur Sahib and the erstwhile princely State of Patiala, Nabha and Malerkotla :-

1.	1 Karma or Gatha	57.157 inches
2.	1 Sq. Karam or Biswansi	2.5207736 Sq.yds.
3.	20 Biswansis or 1 Biswa	50.41547 Sq.yards.
4.	20 Biswas or 1 Bigha	10008.3094 Sq.yards.
5.	96 Biswas (4 Bighas 16 Biswas)	1 Acre or 4840 Sq.yds.