

ORDINANCE SMAC N0 02 OF 29, 2011 GIFT OF SEPTEMBER 30 SEPTEMBER 2011

updates the reference values for Compensatory measure defined by Resolution 472/2010 SMAC.

The SECRETARY ENVIRONMENT MUNICIPAL the use of its legal duties, and,
in compliance with which determines the Ordinance MA / ACMC N0 02 of June 10, 2010,

RESOLVES:

Art. 1. They are updated from the Compensatory Measure benchmarks set by Resolution 472/2010 SMAC as single attachment, based on SCO values / RIO available on this date.

Sole paragraph. Whereas the item "PJ 35.05.0250" is the new inclusion process in SCO / RIO it was recorded the last constant value of the system.

Art. 3. This Ordinance shall enter into force on the date of its publication.

Rio de Janeiro, September 2011.

Altamirando FERNANDES MORAES

ANNEX SINGLE

reference value for planting seedlings of compensatory measure to the removal of vegetation as SCO items / RIO defined by SMAC RESOLUTION No. 472 of 27 MAY 2010

A- reference value for unit changes arboreal

Month / Year reference: 07/2011

Item descriptionService.

Und Measure

Quant / un

Total Cost R \$

MT 15.05.0200 (/)

Cost R \$

compression of first category material, including discharge Dump Truck (...)

m3 0.1 23.36 2.34

PJ 05:05. 0800 (/)

plant Species with height (0.10 to 0.20) m, type Cuphea Gracilis (Erica), Acalypha reptans (Rabo de Gato / Mini acalypha wilkesiana) (...)

1 m2 8.50 8.50

PJ 05.10.0065 (/)

Planting m2.

of vegetation, considering 25 seedlings per

m2 5.75 5.75 1

10.05.0200 PJ (/)

Planting tree 2m tall, of any kind, in public street (. ..)

un 1 26.51 26.51

PJ 10.50.0500 (/)

native plant species with CAP (circumference at breast height) ranging between 0.10m and 0.15m and height of 2.50m and 3.00m. Supply.

Un 1 55.00 55.00

PJ 20.05.0060 (/)

Earth estrumada, including loading, transportation and unloading. Supply.

M3 0.24 81.50 19.56

20.05.0454 PJ (/)

Irrigation of tree and / or palm tree with Truck Pipa, including supply of water.

Un 48 0.47 22.56

PJ 20.05.0870 (/) soil tillage up to 20cm deep. m2 0.64 1.35 0.86

10.05.0600 RV (A)

Regularization with cement and sand mortar with thickness of 2cm in trace 1: 3(.

18.34 8.07 0.44 m2

SC 05.05.0850 (/)

Demolition simple concrete manual sidestacking in the service of the sitekind.;

m3 0.12 122.97 14.76

TC 05.05.0350 (/)

Transportation of any excluding cargo expenses (...)

t.Km 24.6 0.58 14.27

TC 05.10.0050 (/) horizontal transport of bulk material incart,
hand including load pa.

t.dam 3, 54 2.44 8.64

10.05.0150 TC (/)

manual loading and mechanical bulk material discharge (aggregates, stone-of-hand, parallel, (...)

t 0.82 12.87 10.55

TOTAL reference value for MC for changes arboreal 197.37

ANNEX SINGLE

benchmark for planting seedlings of compensatory measure to the removal of vegetation as SCO items /
RIO defined by SMAC RESOLUTION No 472 of 27 2010.MAY

B- reference valuefor vegetation unit areaReference:.

Month / Year 07/2011

Item description Service Und measureheight.

Quant / ha Cost

unit R \$

Total Cost R \$

PJ 10.05.0150 (/) seedlings to 50cm to 70cm planting on slopes,
exclusive tutor, includingopening of the pit.

un 3000 1.44 4320.00

PJ 20.05.0390 (/) Fighting ants, with application of ant killer in
slope. (*)

7.8 149.48 1.165 ha 94

PJ 35.05.0100 (/) fertilization and liming, using organic / mineral fertilizer, seedlings planted on slopes.

un 2813 0.87 2447.31

PJ 35.05.0150 (/) Weeding of firebreak in hillside area previously mowing,
in implantation phase.

m2 900 0.48 432.00

PJ 35.05.0153 (/) Weeding of firebreak in hillside area previously mowing,
in maintenance phase. (***)

14400 m2 0.34 4896.00

PJ 35.05.0200 (/) Weeding of graminea vegetation in area of hillsidecurve,
level including tracks marking on level curve in implantation phase.

M2 5,000 0 36 1,800.00

PJ 35.05.0203 (/) Weeding of graminea vegetation in area of hillsidecurve
levelin maintenance phase. (***)

80,000 0.30 m2 24,000.00

PJ 35.05.0250 (/) seedlings of forest species 30cm to 50cm tall,

kind knew, Marica, Trema, Aroeira, Ipês Pau -iron andlike. Supply. (**)

5,500 un 0,91 5005.00

SE 20.05.0400 (/) scuffed the graminea vegetation in area of hillside, 10cm high, in implantation phase.

M2 10,000 0.17 1,700.00

SE 20:05. 0450 (/) scuffed the graminea vegetation in area of hillside, 10cm high, in implantation phase.

m2 5,000 0.15 750.00

TC 05.10.0150 (a) manual transportation miscellaneous materials hillside above,
including loading and discharge.

t.dam 270 13.533653.10

TOTALValue reference to MC by area (ha) 50,169.35

Value reference to MC by area (m2) 5.02

(*) considering the deployment phase (3 / ha) and maintenance (0.3 / hectareX16 operations in 4 years = 4.8): Total = 7.8. (**) Considering the planting of 3,000 seedlings per hectare plus the additional 20% to cover losses in the implementation; (***) Recital 4 a year maintenance for 4 years (4x4x5.000 = 80,000).