

Tele: 23793509

Policy Letter No 03/2011

Directorate General Married
Accommodation Project(DG MAP)
E-in-C's Branch,
Integrated HQ of MoD (Army)
Kashmir House, Rajaji Marg,
DHQ PO New Delhi – 110 011

21366/P&S/11 /MAP

01 July 2011

SO to AOA
Air HQ
Room No 133, Vayu Bhawan
New Delhi-110011

ARBORICULTURE

1. Please refer Para 73-77 of Minutes of 46th Meeting of Apex Steering Committee fwd vide HQ DG MAP letter No 10228/MAP/Plg/17/ASC/Vol-XXXVI dt 15 Apr 2011.
2. The Arboriculture works shall be carried out in accordance with MoD letter No.3(4)/97/DO-II/D(Works) dt 22 Oct 2002. (Photocopy enclosed as Appx 'A').
3. This HQ policy letter 21366/P&S/04/MAP dt 25 Mar 2009 amended vide letter 21366/P&S/06/MAP dt 08 May 2009 shall only serve as indicative guidelines. (Photocopies enclosed as Appx 'B' and 'C' respectively).
4. However Para 4 given in Para 2 of this HQ Policy letter 21366/P&S/06/MAP dt 08 May 2009 is hereby cancelled.

(JS Sodhi)
Lt Col
SO1 (P&S)
for DG MAP

Encl: as above

Internal

Team 'A' }
Team 'B' } - Please forward copy of this letter to all PMs of AF Stns.

No.3(4)/97/DO-II/D(Works)

Government of India

Ministry of Defence

New Delhi, the

22 Oct 2002

To,

The Chief of Army Staff
The Chief of Air Staff
The Chief of Naval Staff
New Delhi.

Subject: Arboriculture Works authorized as part of Works Projects.

Sir,

1. I am directed to say that arboriculture work covering planning and maintenance of trees, hedges and general landscaping are authorized as a part of work services vide Para 2.17 of Scales of Accommodation, 1983. The matter regarding laying down of a policy in this regard was under consideration of the Government for past sometime. Sanction of the President is hereby accorded for laying down the procedure outlined in succeeding Para for sanctioning such works.

2. Arboriculture works are to be sanctioned by the competent financial authority as laid down in the Defence Works Procedure, 1986 either as part of a work project or as a supplementary to it. Arboriculture works under this letter will be sanctioned in areas where some construction activity is in progress or where some accommodation has come up. In no case, this letter covers afforestation of vast track or surplus defence land in various cantonments/military stations.

3. A detailed scheme with site plan, location and type of trees/plants/hedges will be prepared and approval obtained from the authority sanctioning the project. Planning will include the following stages :-

(a) Selection of Trees and Plants : Trees, plants and hedges will be selected after detailed examination of local flora, in liaison with local state horticulture and forest departments. If there is an Agriculture University in the State, their recommendations/suggestions should also be obtained. The types of trees/plants will be selected keeping in view the overall landscaping and for beautification of the area. Trees at road side will mainly consist ornamental, shade, plants for soil conservation or wind deflector/breaker.

(b) Scheduled Programme of Planting : Since different species of trees and hedges will have to be planted during different times of the year, a proper planting schedule will be drawn up.

(c) Coordination with Building Work : One of the main reason for damage to young plants is lack of coordination with construction programme in the past. The newly planted seedlings perish under soil from excavation building rubble and movement of trucks conveying construction material.

(d) Tree Guards and Temporary Fencing : Properly designed tree guards should be used for individual trees, when it is not possible to group the trees and fence them off. Fencing may be resorted to, till the plants mature and construction activities are over. However, where cattle fencing forms part of the project, this may with advantage, be constructed earlier with proper cattle traps when possible. This avoids unnecessary expenditure on temporary fencing/tree guards.

(e) Water Supply : Requirement of raw water supply to nourish saplings and hedges should be kept in view while drawing water supply schemes. Full advantage will be taken of rainy season. As far as possible, alternative supply of unfiltered water should be arranged for watering of trees, hedges and lawns.

Execution Agency

4. The arboriculture works sanctioned as a part of the project will be executed through MES. Supplementary work can be executed through MES or through Local Horticulture or Forest Department.

Responsibilities

5. (a) Executing Agency: The executing agency will be responsible for planning and execution of arboriculture works in consultation with the sanctioning authority. The maintenance of arboriculture works shall be done for a period of three years including the period of execution of the work by the executing agency. Thereafter, it shall be handed over to the users for upkeep and maintenance. The executing authority shall maintain an account of the trees/shrubs planted, details of areas/roads covered, details of tree guards provided in the form of a register, to be produced at the time of payment for arboriculture works and handing/taking over. This register will be subjected to usual local audit. The details of trees/plants decayed during execution and maintenance period shall also be maintained and written off through a loss statement.

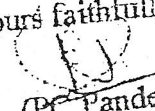
(b) Staff: Planning, execution, maintenance of arboriculture projects and laying down orders for handing/taking over in close association with engineers in accordance with provision contained in Para 245 of RMES..

(c) User Units : Maintenance of plants, trees & hedges including landscaping after taking over from the executing agency.

Crediting of Usufructs

6. All revenues derived from usufructs of these plants will be credited to the consolidated fund of India through MRO by the User Units in consultation with the MES authorities located in the stations. Station Cdrs will be personally responsible to ensure/monitor timely deposition of the usufructs revenue generated on account of arboriculture works executed through works services in his station/area of jurisdiction. User units shall maintain an account book of such revenue transaction. This account book will be subjected to usual local audit.

- 7. No additional manpower will be provided for execution of arboriculture works and their further maintenance at any stage.
- 8. This supersedes Army Headquarters letter No. B/22333/C3W (Policy) dated 9.5.75 and 16/19.12.77.
- 9. This is issued with the concurrence of Ministry of Defence (Finance) vide their U.O. No. 2329/Dt (F&W) 02 of 10 Oct 2002.

Yours faithfully,

 (PC Pande)
 Desk Officer

Copy to :

CGDA, AC ADS, The CsDA, SC, FC, WC, CC, NC.
 All Sr. Dy. DADS, Def Services. The CDA, Patna. The CDA (Navy), Bombay. The
 CDA (Air Force), Ichradun, OMG's Br Tol (W& Procedure) - 20 Copies, Air-C's
 Br E2W (PFC) - 5 copies. Naval HQ's Dept of Works - 5 copies. Air HQ's Dept of Air Force
 Works - 5 copies. Chief Controller (R&D). DADR. DADR/DA (A-1).
 DFA (V) / DFA (Navy) / DFA (AF)

Directorate General Married
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21366/P&S/ 04 /MAP

25 Mar 2009

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(DG MAP LIST A, B & C)

SELECTION OF TREES FOR MAP

1. Selection of trees for Arboriculture projects of MAP was deliberated upon with Horticulture Specialists of Haryana Forest Department and Landscape Consultants, who have recommended the trees with the following parameters are most suited for DG MAP :-

- (a) Deciduous / evergreen trees
- (b) Shady trees
- (c) Enhanced Cash Returns
- (d) Less shedding of leaves
- (e) Consume less water

2. The suggestive region wise list of hard variety species of trees as recommended by the Horticulture Specialists and Landscaping Consultant is enclosed as Appx to this letter.

(Sanjeev Gupta)
Lt Col
SO1 (P&S)
For DG MAP

Internal

Plg Team 'A'
Plg Team 'B'
Contract Section

- For info and necessary action please.

**SPECIES SUITABLE FOR MAP UNDER ARBORICULTURE
AND LANDSCAPING WORKS**

S/N	Species Name	Suitability to area					Soil Type
1	Shisham (<i>Dalbergia sissoo</i>)	N	W	C	E	S	Any
2	Bakayan (<i>Melia azadirachta</i>)	N	W	-	E	-	Any
3	Neem (<i>Azadirachta indica</i>)	N	W	C	E	S	ALL
4	Karanj (<i>Pongamia pinnata</i>)	N	W	C	E	S	ALL
5	Kachnar (<i>Bahuania variegata</i>)	N	W	C	E	S	ALL
6	Gulmohar (<i>Delonix regia</i>)	N	W	C	E	S	ALL
7	Jacaranda (<i>Jacaranda mimosifolia</i>)	N	W	C	E	S	ALL
8	Arjuna (<i>Terminalia arjuna</i>)	N	W	C	E	S	Water Logged
9	Kasood (<i>Cassia samea</i>)	N	W	C	E	S	ALL
10	Akashmani (<i>Acacia auriculiformis</i>)	-	-	-	E	S	Coastal areas
11	Imli (<i>Tamarindus indica</i>)	N	W	C	E	S	ALL
12	Alstonia (<i>Alstonia scholaris</i>)	N	W	C	E	S	ALL
13	Pilkhan (<i>Ficus infectoria</i>)	N	W	C	E	S	ALL
14	Gullar (<i>Ficus racemosa</i>)	N	W	C	E	S	ALL
15	Pahadi Papri (<i>Holoptelia intergregifolia</i>)	N	W	-	E	-	ALL
16	Amaltas (<i>Cassia fistula</i>)	N	W	C	E	S	ALL
17	Balam Kheera (<i>Kigelia pinnata</i>)	N	W	C	E	S	ALL
18	Maha Neem (<i>Alanthus exclesa</i>)	N	W	C	E	S	DRY
19	Ashoka (<i>Polyalthia longifolia</i>)	N	W	C	E	S	ALL
20	Mahagony (<i>Swetenia macrophylla</i>)	-	-	C	E	S	ALL
21	Peepal (<i>Ficus religiosa</i>)	N	W	C	E	S	ALL
22	Kadam (<i>Anthocephallus chinensis</i>)	N	W	-	E	-	ALL
23	Sahjana (<i>Moringa oliefera</i>)	N	W	C	E	S	ALL
24	Semal (<i>Bombox ceiba</i>)	N	W	C	E	S	ALL
25	Lagestromia speciosa	N	W	C	E	S	ALL
26	Bael Patra (<i>Aegle marmelos</i>)	N	W	C	E	S	ALL
27	Mulbery (<i>Morus alba</i>)	N	W	C	E	S	ALL
28	Kanak Champa (<i>Pterocarpus marsupium</i>)	N	W	C	E	S	ALL

S/N	Species Name	Suitability to area					Soil Type
29.	Casuarina (Casuarina equisetifolia)	-	-	-	-	-	Coastal areas
30.	Rain Tree (Samanea saman)	-	-	C	-	S	ALL
31.	Tulip Tree (Spathodia campanulata)	-	-	C	-	S	ALL
32.	Chakrasia (Chakrasia tabularis)	N	W	-	E	-	ALL
33.	Silver Oak (Grevilia robusta)	N	W	C	E	S	ALL
34.	Bottle Brush (Callistemon lenceolatus)	N	W	C	E	S	ALL
35.	Jamun (Syzygium cimini)	N	W	C	E	S	More water reqd *
36.	Khara Badam (Terminalia cattapa)	-	W	C	E	S	Dry and sodic
37.	Khazoor (Phoenix sylvestris)	N	W	C	E	S	ALL
38.	Jalpatri (Putranjeeva roxburghai)	N	W	C	E	S	ALL
39.	Maulsari (Mimosops elengi)	N	W	C	E	S	ALL
40.	Harsringar (Nyctanthus arbortristis)	N	W	C	E	S	ALL
41.	Pletaforum (Pletophorum forgenium)	N	W	C	E	S	ALL
42.	Bahera (Terminalia bellerica)	N	W	C	E	-	ALL
43.	Jangle Jalebi (Phithocelobium dulce)	N	W	C	E	S	ALL
44.	Lesu (Cordia dichotoma)	N	W	C	E	S	ALL
45.	Gamar (Gmelina arborea)	N	W	C	E	S	ALL
46.	Mango (Mangifera indica)	N	W	C	E	S	ALL
47.	Siris (Albizia lebbeck)	N	W	C	E	S	ALL
48.	Maror Phali (Bigonia)	N	W	C	E	S	ALL
49.	Coconut (Cocus nucifera)						Coastal areas
50.	Bargad (Ficus benghalensis)	N	W	C	E	S	ALL

N- North India, S-South India, C-Central India, E-Eastern India, W-West India

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21366/P&S/ 06 /MAP

08 May 2009

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(DG MAP LIST A, B & C)

SELECTION OF TREES FOR MAP

1. Further to our policy letter No 03/2009 issued vide letter No 21366/P&S/04/MAP dated 25 Mar 2009.

2. Para 3 and 4 may be added to the subject policy as follows :-

Para 3 While planning arboriculture, the following guidelines for the height and variety of trees as per the Zones are to be adopted :-

(a) The optimum height of all timber trees listed at Appx enclosed with policy letter (except ser No 37 and 43) shall be four feet to five feet (4'-5').

(b) Optimum height for Ser No 37, Khazoor (Phoenix sylvestris) shall be two feet to three feet (2'-3') and for Ser No 43, Jangle Jalebi (Phithocelobium dulce), shall be three feet to four feet (3'-4')

Para 4 In MAP arboriculture, only trees and shrubs shall be provided. Planting of grass shall be to the minimum extent. Maintenance of grass will be for 3 months only. No seeds for flowing trees will be incorporated in the arboriculture plans.

3. There is no other change in the policy.

(Sanjeev Gupta)
Lt Col
SO1 (P&S)
For DG MAP

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