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OFFICE OF THE CHIEF ENGINEER, PWD, RAJATHAN, JAIPUR

No. SE(PMGSY)/Circular/2006/D- 3175

Dated: 25/02/2006

Circular No : PMGSY /2006 /1.

The Additional Chief Engineer.
PWD Zone _____

The Superintending Engineer
PWD Circle _____

The Executive Engineer
PWD Division _____

Sir,

Kindly find enclosed herewith DO's and DON'Ts in quality for setting Out of Work /
Site Clearance for PMGSY works.

You are requested to go through the contents of enclosed circular and ensure strict
compliance.

Yours faithfully,

(Handwritten Signature)

(H.L.MINA)
CHIEF ENGINEER, PWD

25/2/2006

Copy forwarded to A/c PWD Sub Ds
East / Basni / Phagi for compliance

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PMGSY Do's and DON'Ts in Quality

Setting Out of Work / Site Clearance

Steps:

- Select working bench marks at 250 m intervals on the road in question with the help of Reference Bench Mark in the area.
- Establish centre line of the carriageway and have it referenced by marker pegs and chainage boards set near the road land boundary at 50 m interval (In hills area and on curve in plains, the interval of reference pegs should be 20 m).
- Prepare a schedule of reference dimensions and maintain the markers until the works reach finished formation level and are accepted by the Engineer.
- Verify the dimensions and levels, shown on the drawings or maintained in contract documents, on the site and inform the Engineer of any apparent errors or discrepancies.
- The lines and levels of formation, side slopes, drainage works, carriageway and shoulders should be carefully set out and frequently checked, care being taken to ensure that correct gradients and cross-sections are obtained everywhere.
- The road land should be checked of all materials unsuitable for the work by cutting, removing and disposing of all materials, such as trees, bushes, shrubs, stumps, roots, grass, weeds, top organic soil not exceeding 150 mm in thickness, rubbish, etc. This should be in advance of earthwork operations.
- Excavation below the ground level arising out of removal of trees, stumps, etc, be filled in layers with suitable material and compacted thoroughly with the help of hand rammers etc.
- All trees, stumps, etc. falling within the excavation and embankment lines should be cut to such depth below ground level that in no case these fall within 500 mm of the subgrade. Beyond these limits, they need to be cut down to 1 m below ground level.
- Measurement of trees girth more than 300 mm should be done as per sizes given in the Bill of Quantities (BOQ).

Myths

- Is one time setting out sufficient? No. It should be regularly ensured, that the bench marks, centerline are in position till completion of work.
- Cutting of trees, stumps, etc at ground level will serve the purpose? No the stumps, trees should be cut at least 500 mm below the sub grade level. The excavation arising out of removal of trees, stumps should be properly filled in layers with suitable material and compacted properly.