

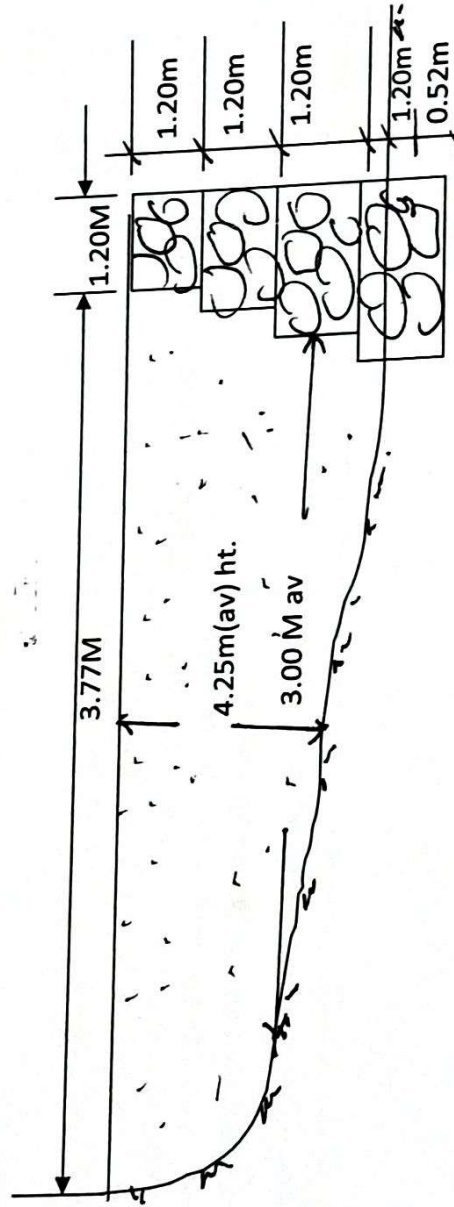
# DRWAING OF DUMPING SITE

Full Title of the Project :C/O link road Paniala Tuin Khas km 0/0 to 5/500

NOT TO SCALE

Date of Proposal : EP/HP/ROAD/20153/2016

## DRWAING FOR THE PRPOSED DUMPING SITE ALONG PANIAL TUIN KHAS ROAD AT RD 1/600 TO 1/650 & 1/680 TO 1/730



Area of Dumping =  $(3.77 + 3.00) / 2 \times 100 = 338.53 \text{ Sqm}$

Capacity of dumping =  $338.53 \times 4.25 = 1438.76 \text{ Cum}$

*[Signature]*

Executive Engineer  
Ghumarwin Division  
HPPWB Ghumarwin

## **MUCK MANAGEMENT PLAN**

**Full Title of the Project : C/O Paniala to Tuin Khas Road 0/0 to 5/500 in  
District Bilaspur ( H.P.)**

|       |                                                                                                                                                                                                                              |                     |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
|       | <b>Total Quantity of muck Being produced</b>                                                                                                                                                                                 | <b>12494.28 Cum</b> |
| 1     | Deduction for useful stone as required under the clause of agreement to be executed by the contractor & Executive Engineer of Project Implementing Unit Division on behalf of Govt. of H.P for using in project 12494.28x1/6 | 2082.38 cum         |
| 2     | Net Balance Quantity of Debris /Muck.                                                                                                                                                                                        | 10411.90            |
| 3     | Add Quantity available on site with (Swell factor @ 40% on PW & J.W                                                                                                                                                          | 4164.76             |
|       | Loose quantity of muck G. Total⊗(A)                                                                                                                                                                                          | 14576.66            |
| 4     | Muck required for construction of proposed road on the analogy of half cutting and half filling @ 25% of (A)                                                                                                                 | 3644.17             |
| 5     | Muck required for leveling of proposed road @ 15% of (A)                                                                                                                                                                     | 2186.50 Cum         |
| 6(i)  | Muck required for Khaoranja soling and Binding material 5% of (A)                                                                                                                                                            | 728.83 Cum          |
| (ii)  | Muck required for Back filling in Retaining Walls 15% of (A)                                                                                                                                                                 | 2186.50 Cum         |
| (iii) | Muck required for Berm filling of (A)5500x2x0.80x0.25                                                                                                                                                                        | 2200.00 Cum         |
| (iv)  | Muck required for Culvert filling 1% of (A)                                                                                                                                                                                  | 104.12 Cum          |
|       | Total Qty of sub head 6 i.e. (i+ii+iii+iv)                                                                                                                                                                                   | 5219.45 Cum         |
|       | Loose qty of sub head (6)x40% (v)                                                                                                                                                                                            | 2087.78 Cum         |
|       | Total (i+ii+iii+iv+v)                                                                                                                                                                                                        | 7307.23 Cum         |
|       | Total Muck to be used (B)(4+5+6)                                                                                                                                                                                             | 13137.90 Cum        |
|       | Muck / debris left at site which required carriage to the proper dumping site duly recognized as per the instructions of Forest and Environment Ministry reinforced by various judgments of Apex court Govt of India ( A-B). | 1438.76 Cum         |

*[Signature]*  
Assistant Engineer  
Dist. Sub. Division  
B.P. & W.D. Dist.

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Executive Engineer  
Ghumarwin Division  
H.P. & W.D. Dist.  
Ghumarwin

# PERFORMA- III

| Sr No | Name of component from where Muck/Debris is to be produced.             | Total Qty. of muck/debris to be produced (cum) | Qty. of muck/debris to be utilized locally (cum) | Qty. of muck/debris to be dumped on compact basis (cum) | Factor of increase in volume of dumping | Qty. of muck/debris to be dumped on increased (cum) | Name of dumping site    | Slope of dumping place | Location of dumping place village police station & Nearby road. | Distance of dumping place from nearby river with name of river. | Area of dumping place with length and breadth | Area of forest land in hac. | Ht of debris/ muck expected volume Area (mtrs) | Remarks |
|-------|-------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------------|---------------------------------------------------------|-----------------------------------------|-----------------------------------------------------|-------------------------|------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------|-----------------------------|------------------------------------------------|---------|
| 1     | 2                                                                       | 3                                              | 4                                                | 5                                                       | 6                                       | 7                                                   | 8                       | 9                      | 10                                                              | 11                                                              | 12                                            | 13                          | 14                                             | 15      |
| 1     | C/O link road Paniala to Tuin Khas Km 0/0 to 5/500 in District Bilaspur | 14576.66 Cum                                   | 13137.90 Cum                                     | 1027.68                                                 | 40%                                     | 1438.76                                             | Along Road Near Paniala | 1:14                   |                                                                 | 6.00 km From Seer Khad                                          | 338.53 Sqm                                    | 0.034                       | 4.25 m                                         |         |

  
 P. V. D. Dert.  
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 HPPWD Ghumarwin

# PERFORMA- IV

| Sr No | Kilometers'     | Rd's           | Length in mtrs) | Total length in km | Area of the forest land in sqm | In km forest land.   | Radian in Non forest land in Mtrs. | Name of Village Forest neatly Muck/Debris to be produced Total | Muck Debris to be used locally | Muck/ debris to be dumped. | Remarks |
|-------|-----------------|----------------|-----------------|--------------------|--------------------------------|----------------------|------------------------------------|----------------------------------------------------------------|--------------------------------|----------------------------|---------|
| 1     | 2               | 3              | 4               | 5                  | 6                              | 7                    | 8                                  | 9                                                              | 10                             | 11                         | 12      |
| 1     | Km 0/0 to 5/500 | 1/870 to 5/500 | 3.630km         | 3630 M             | 21780 sqm                      | Km 0/870 to 5/500 KM | 1870 mtr                           | Paniala along road side                                        | 13137.90 cum                   | 1438.76 cum                |         |

  
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# PERFORMA- V

| Sr No | Name of dumping places  | Location of dumping places i.e village & Khasra No. | Slope of dumping site places | Length width ( M& area of dumping places. | Quantity of muck/ debris to be dumped in cum) | Height of dump expected in metres. | Remarks |
|-------|-------------------------|-----------------------------------------------------|------------------------------|-------------------------------------------|-----------------------------------------------|------------------------------------|---------|
| 1     | 2                       | 3                                                   | 4                            | 5                                         | 6                                             | 8/                                 | 12      |
| 1     | Paniala along Road side | Km 1/600 to 1/650 & 1/680 to 1/730                  | 1.14                         | 338.53 Sqm                                | 1438.76 Cum                                   | 4.25 m                             |         |

  
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