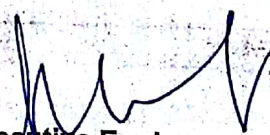


MUCK MANAGEMENT PLAN			
1	Different quantities of muck being produced	22182.92 PW	29927.91 JW 101371.86 BW
2	Total Quantity of muck being produced	153482.69	
3	Deduction for useful stone as required under clauses of agreement to be executed by the Executive Engineer of Project Implementing unit Division in behalf of Govt. of H.P. for using in project . (Credit for useful stones to be obtained from cutting i .e. 1/3rd of hard blasting Cubic Metre)	33790.62	
4	Net balance quantity of debries / Muck	119692.07	
5	Add quantity available on site with swell factor @ 35% on P.W. + J.W.	18238.79	
6	Add quantity available on site with swell factor @ 20% on Blast Work	13516.25	
7	GRAND TOTAL (A)	151447.11	
8	Less material required for the construction of stone masonry structures @25% of (A)	37861.78	
9	Less material / muck required for the leveling of proposed road and filling behind R/walls @ 35% of(A)	53006.49	
10	GRAND TOTAL (B)	90868.27	
11	Material / muck left in the site which required carriage for the proper dumping at the recognized site as per the instruction of Forest and Environment Ministry reinforced by various judgement of the Apex Court Govt. of India i.e.(A-B)	60578.84	
12	Design proposed for dumping DS-I, DS-II, DS-III & DS-IV	Attached	
13	Proposed dumping place design DS-I, DS-II, DS-III & DS-IV	4 Nos.	
14	Total capacity of dumping places	62410	
15	Area in hectare of dumping sites	0.31	


 Assistant Engineer,
 Salooni Sub-Division,
 HP.PWD. Salooni.

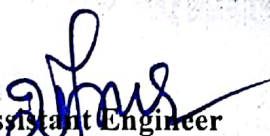

 Executive Engineer,
 Salooni Division,
 HP:PWD Salooni.

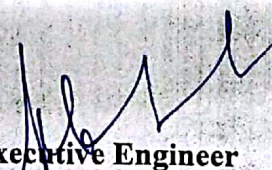
**STATEMENT SHOWING THE DETAILS OF PLACES FOR DISPOSAL OF MUCK /
DEBRIS OF ROADS/ TO BE CONSTRUCTED IN CHAMBA DISTRICT OF HP
STATE**

Dumping site	Khasra No.	Forest area under dumping	Slope of dumping place	Height of dumping expected in meters.	X-section area (m ²)	Length (m)	Quantity (cum)	Location
DS-I	162/2	100x8=800 m ² (0.08 hectare)	1:2	30.10 Mtr	156.8	100	15680	Along proposed Road
DS-II	453/432/3	100x7=700 m ² (0.04 hectare)	1:2	28.10 Mtr	144.70	100	14470	
DS-III	288/3/2	100x8=800 m ² (0.08 hectare)	1:2	29.10 Mtr	151.80	100	15180	
DS-IV	659/10/2	100x8=800 m ² (0.08 hectare)	1:2	30.10 Mtr	170.80	100	17080	
						Total	62410.00	

Purpose wise break up of Forest land/Non-Forest land

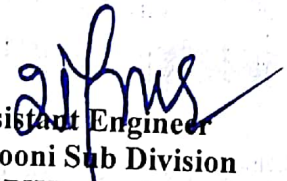
S.No	Component	Forest area required	Non Forest area required	Total area required
1	Road	44400 Sqm.= 4.44 Hect.	4800 Sqm= 0.48 Hect.	49200 Sqm= 4.92 ha.
2	Dumping Site-I	100x8=800 m ² (0.08 hectare)		3100.00 Sqm= or 0.31 Ha.
	Dumping Site-II	100x7=700 m ² (0.07 hectare)		
	Dumping Site-III	100x8=800 m ² (0.08 hectare)		
	Dumping Site-IV	100x8=800 m ² (0.08 hectare)		
	Total	3100.00 Sqm= or 0.31 Ha.	0.48 Hect	
	G.Total	4.75 Hect.	0.48 Hect	5.23 Hect.

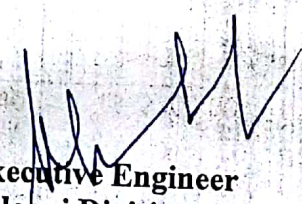

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Salooni Division
HP.PWD Salooni.

ABSTRACT OF COST**Name of work : Construction of link road from Bhadela to Halan via Bhandrota km 0/0 to 8/300****(SH: Providing crates at various dumping site)**

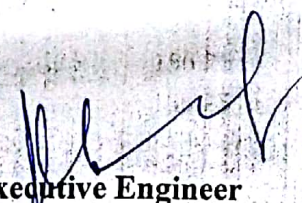
S.No.	Item	Qty.	Unit	Rate	Amount
1	Earth work in excavation for structures as per drawing and technical specification clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal up to a lead of 50 m dressing of sides and bottom and back filling in trenches with excavated suitable material.	200.00	Cum	73.40	14680.00
2	Providing and laying of boulder apron laid in wire crates with 4mm dia GI wire conforming to IS:280 and IS:4826 in 100mm x 100 mm mesh (woven diagonally) including 10 percent extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per drawing and technical specifications Clause 1301	1250.00	Cum	1458.40	1822500.00
				Total=	1837180.00


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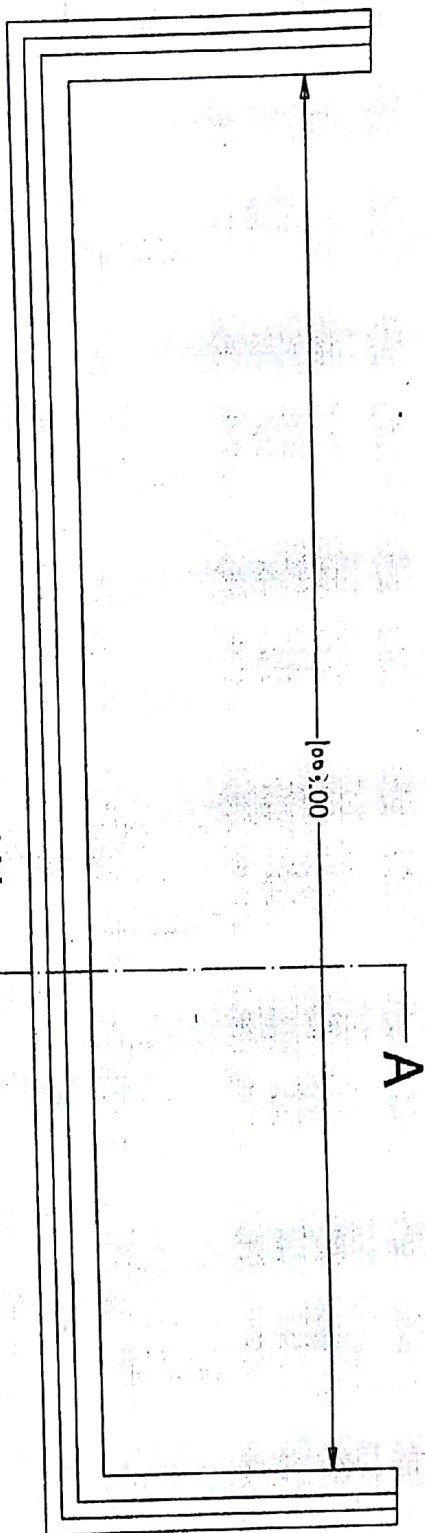

Executive Engineer
Salooni Division
HP.PWD Salooni

Detail of measurement						
Name of work : Construction of link road from Bhadela to Halan via Bhandrota km 0/0 to 8/300						
(SH: Providing crates at various dumping site)						
S.N o.	Description	No.	L	W	H	Qty
1	Earth work in excavation for structures as per drawing and technical specification clause 305.1					
	For Dumping site 1	1	100.00	1.25	0.4	50.00
	For Dumping site 2	1	100.00	1.25	0.4	50.00
	For Dumping site 3	1	100.00	1.25	0.4	50.00
	For Dumping site 4	1	100.00	1.25	0.4	50.00
					Total=	200.00
2	Providing & laying bolder apron laid in crates with 4 mm dia GI wire 100x100 mm mesh					
	For Dumping site 1					
	Bottom row	1	100.00	1.25	1.25	156.25
	Top Row	1	100.00	1.25	1.25	156.25
	For Dumping site 2					
	Bottom row	1	100.00	1.25	1.25	156.25
	Top Row	1	100.00	1.25	1.25	156.25
	For Dumping site 3					
	Bottom row	1	100.00	1.25	1.25	156.25
	Top Row	1	100.00	1.25	1.25	156.25
	For Dumping site 4					
	Bottom row	1	100.00	1.25	1.25	156.25
	Top Row	1	100.00	1.25	1.25	156.25
					Total=	1250.00


 Assistant Engineer
 Salooni Sub Division
 HP.PWD Salooni

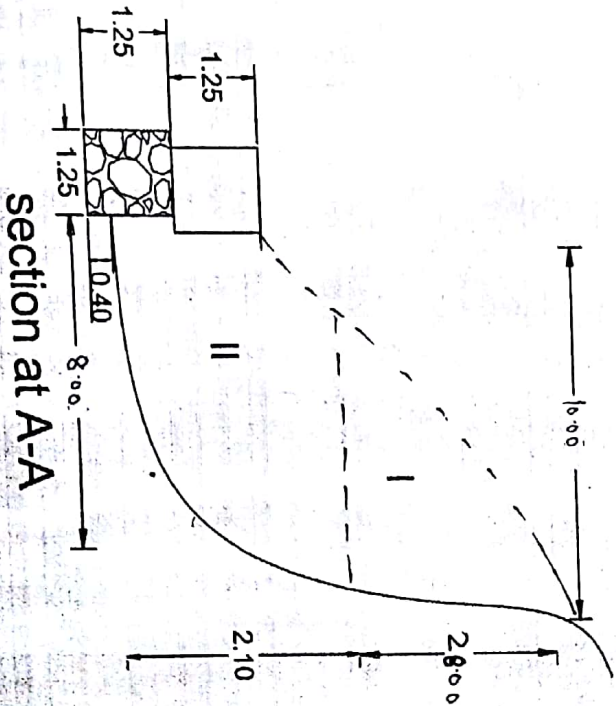

 Executive Engineer
 Salooni Division
 HP.PWD Salooni.

MUCK DUMPING SITE NO-1 FOR THE CONSTRUCTION OF LINK ROAD FROM BHADOLA TO HALAN
VIA BANDROTA KM % TO 8/300



PLAN

NOT TO SCALE
 ALL DIMENSIONS IN METRE



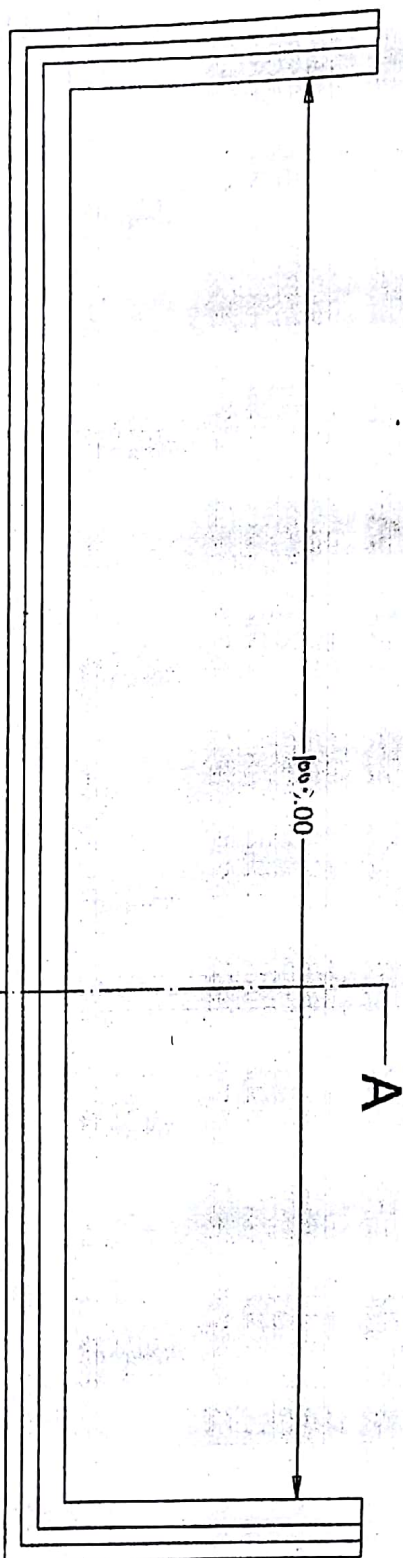
section at A-A

Cross sectional area
 For I: $0.5 \times 10.40 \times 2.10 = 110.00 \text{ sqm.}$
 For II: $8.00 \times 2.10 = 16.80 \text{ sqm.}$
 Total I+II = $110.00 + 16.80 = 126.80 \text{ sqm.}$
TOTAL CAPACITY = $100.00 \times 126.80 = 12680.00 \text{ cum}$

[Signature]
 Assistant Engineer
 Salooni Sub Division
 H.P.W.D. Salooni

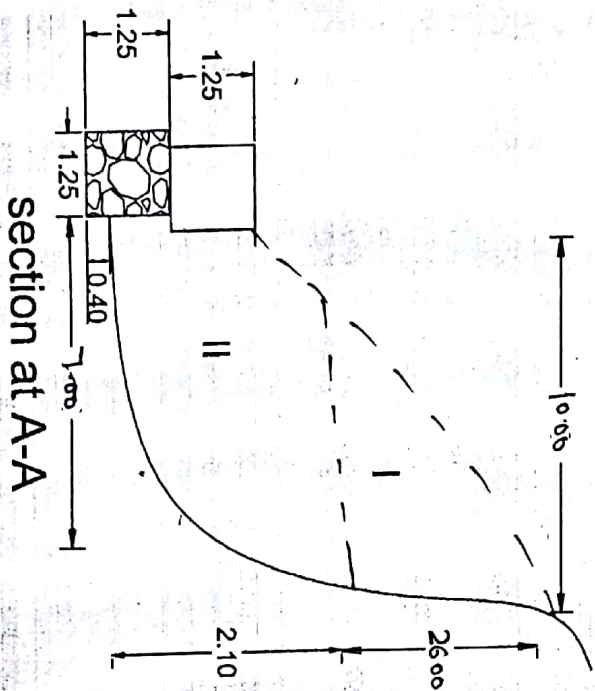
[Signature]
 Executive Engineer
 Salooni Division H.P.W.D.
 Salooni District, Jharkhand

MUCK DUMPING SITE NO-2 FOR THE CONSTRUCTION OF LINK ROAD FROM BHADOLA TO HALAN
VIA BANDROTA KM % TO 2/300



PLAN

NOT TO SCALE
 ALL DIMENSIONS IN METRE



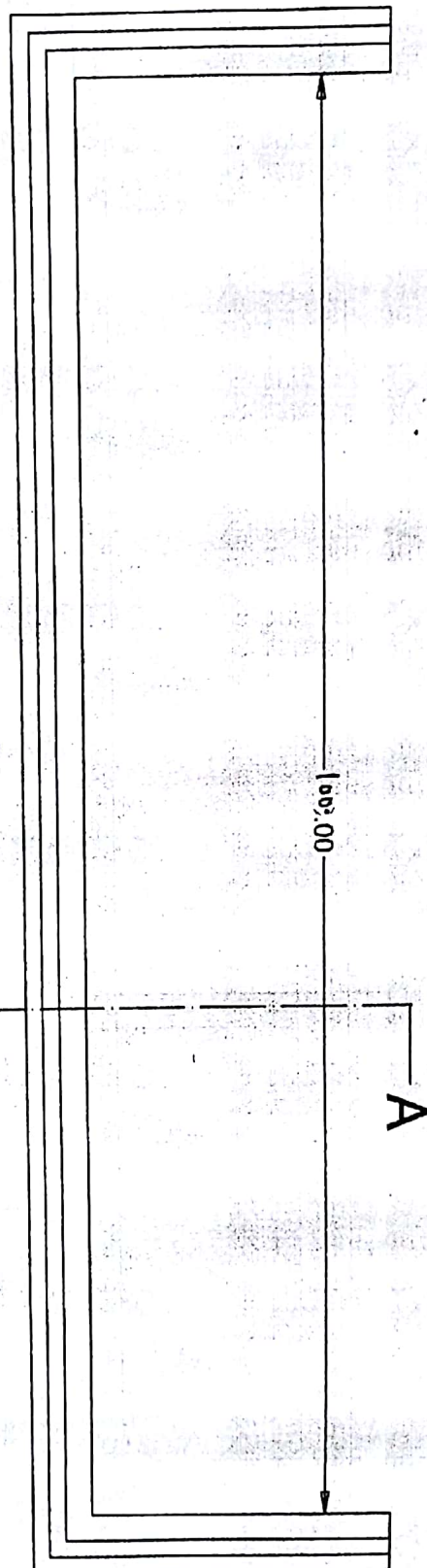
section at A-A

Cross sectional area
 For I: $0.5 \times 10.40 \times 2.10 = 13.00 \text{ sqm.}$
 For II: $1.25 \times 2.10 = 14.70 \text{ sqm.}$
 Total I+II = $13.00 + 14.70 = 14.70 \text{ sqm.}$
 TOTAL CAPACITY = $100.00 \times 14.70 = 1470.00 \text{ Cum}$

[Signature]
 Assistant Engineer
 Salooni Sub-Division
 H.P.W.D. Salooni

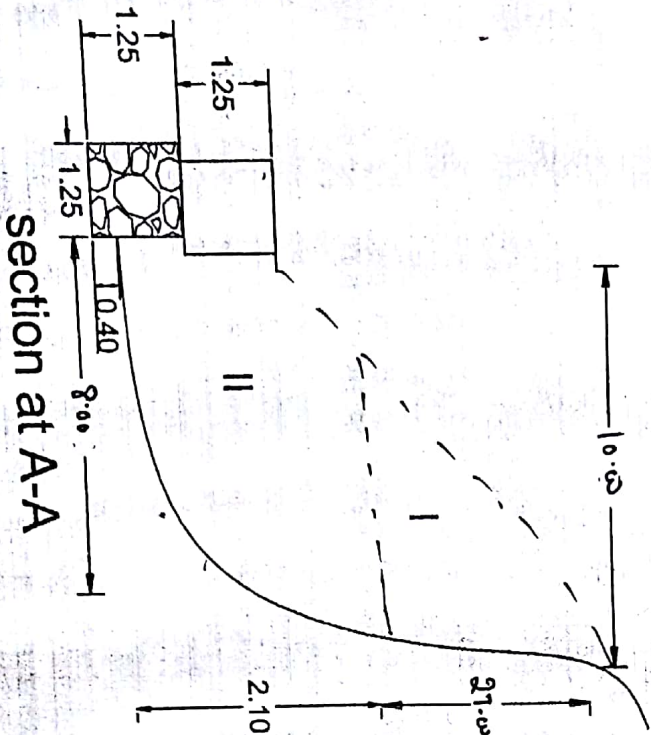
[Signature]
 Executive Engineer
 Salooni Division, I.P.P.W.D.
 Salooni Dist. Chamba (H.P.)

MUCK DUMPING SITE NO-3 FOR THE CONSTRUCTION OF LINK ROAD FROM BHADDELA TO HALAN
VIA BANDROTA KM % TO 8/300



PLAN

NOT TO SCALE
 ALL DIMENSIONS IN METRE



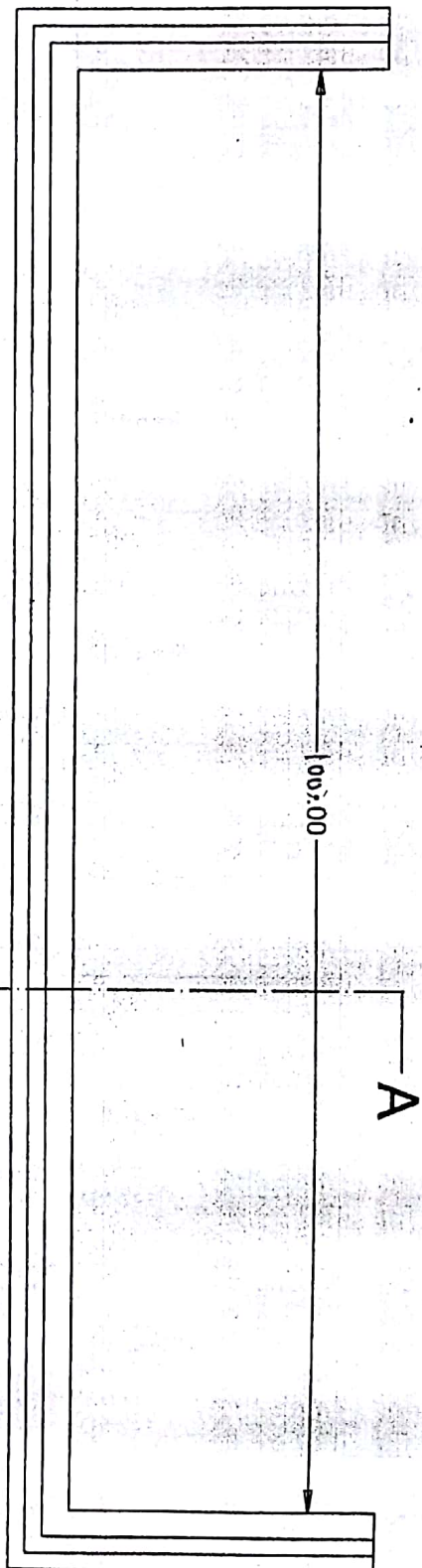
section at A-A

Cross sectional area
 For I: $0.5 \times 10.00 \times 2.10 = 10.50 \text{ sqm.}$
 For II: $8.00 \times 2.10 = 16.80 \text{ sqm.}$
 Total I+II = $10.50 + 16.80 = 27.30 \text{ sqm.}$
 TOTAL CAPACITY = $10000 \times 27.30 = 273000 \text{ Cum}$

[Signature]
 Assistant Engineer
 Salooni Sub-Division
 H.P.W.D. Salooni

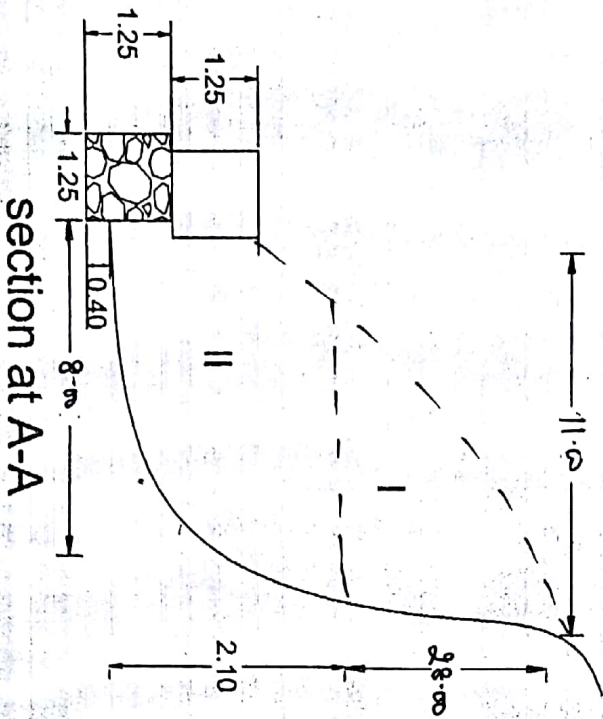
[Signature]
 Executive Engineer
 Salooni Division H.P. P.W.D.
 Salooni Dist. Chamba (Ct.)

**MUCK DUMPING SITE NO-4 FOR THE CONSTRUCTION OF LINK ROAD FROM BHADOLA TO HALAN
VIA BANDROJA KM % TO 3/300**



PLAN

NOT TO SCALE
ALL DIMENSIONS IN METRE



Cross sectional area
For I: $0.5 \times 11.0 \times 2.10 = 154.0 \text{ sqm}$.
For II: $8.0 \times 2.10 = 16.80 \text{ sqm}$.
Total I+II = $154.0 + 16.80 = 170.80 \text{ sqm}$.
TOTAL CAPACITY = $100.0 \times 170.80 = 17080.0 \text{ Cum}$.

[Signature]
Assistant Engineer
Salooni Sub-Division
HPWD Balochal

[Signature]
Executive Engineer
Salooni Division I
Salooni Dist. Chitradgarh