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2005.

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Salinity Ingress Prevention Circle,
Rajkot

Salinity Control Division, Bhavnagar.

Subject :- Releasing the land
transferred to Samadhiyala
Bandhara Project for other
purpose.

R E P O R T

1.0 With a view to prevent Salinity
ingress on account of Sea water
moving towards the land on the
belt of Bhavnagar-Una seashore the
Government has formed the High
level Committee-2. For control of
Salinity, construction of Tidal
regulator Bandhara, Percolation
Lake, percolation reservoir and

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check-Bandharas have been recommended. Out of them, Nap Bandhara Project has been suggested as Salinity prevention project at Sr. No.8 in page No. 109 of the report of the High level Committee-2 of Mahuva Taluka of Bhavnagar District. But since this Bandhara Project is not possible and proper from administrative point of view, as Nap village is covered under beneficiary area of the existing Nikol Bandhara Project near village Nap instead of Nap Bandhara Project, the construction of Samadhiyala Bandhara Project has been completed in 7/2000 on local rivulet near Samadhiyala village of Rajula Taluka of Amreli District. In this Project, ungetted Waste-weir admeasuring 250 meters and Clay Bandhara admeasuring 1750 meter length of

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homogenous nature have been constructed. Under this project at the full reservoir level at 3.82 meter 62.31 ten lacs MCFT water is stored. And in all 1000 Hectare land of Doliya and Pandhiyarka villages of Mahuva Taluka, District Bhavnagar and Samadhiyala and Patva village, of Rajula Taluka, District Amreli get direct as well as indirect benefit.

In this project, in all 366 Hectares of land have been transferred and acquired. Out of the said land, the land of villages Doliya and Pandhiyarka, Taluka Mahuva, District Bhavnagar have been transferred to the Salinity Control Division, Bhavnagar by the collector, Bhavnagar. Out of the 222.00 Hectare land of Bhavnagar District so transferred, about 100.00 Hectares land goes into

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submergence as a part of
reservoir. The very land is
demande d by the Nirma Company for
putting up cement factory before
the collector Bhavnagar and
pursuant thereto the collector
Bhavnagar by letter dated 13.4.04
has sought for opinion of
irrigation department.

As detailed above, earlier
necessary report was forwarded to
the Government pursuant to that as
mentioned in Point No.(3) of
letter dt. 13-9-05 of the Narmada
Water Resources Water supply &
Kalpsar Department Sachivalaya
Gandhinagar of the Government, a
joint report is stated to be
produced after taking site visit
of Superintending Engineer
Salinity Entry Prevention Circle,
Rajkot and Superintending
Engineer, Central designs

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organization, Gandhinagar and holding discussion with the concerned collector.

2.0 Thus, the following points become clear in accordance with the site situation visit and study pursuant to the above instruction.

2.1 The main issues regarding Samadhiyala Bandhara Project are as under:-

Main Bandhara Length	250
mt.	
Clay Bandhara Length	1630
mt.	
F.R.L.	3.82 mt.
— H.F.L.	— 4.40 mt.
M.W.L.	5.42 mt.
Check M.W.L.	5.42 mt.
Project Completion	7/2008
Year month	
Storage Capacity	
	62.31mcft.
Project benefitted	300 Hec.
Area- Recharge	700 Hec.
Total Expenses	277 lacs
Incurred for the Project	

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2.2

Demand of Nirma Pvt. Ltd.

Nirma Pvt. Ltd. Company has made proposal to establish cement plant in Bhavnagar District during Vibrant Gujarat and, for that Land of Samadhiyala Bandhara Project, transferred for public purpose to this department admeasuring about 222 Hectares has been demanded. The details thereof are as under:-

Village	Taluka	District	Land under demand by Nirma Ltd.	
			S.No.	Area
Padhiyarka	Mahuva	Bhavnagar	80-A	98-98-38
Padhiyarka	Mahuva	Bhavnagar	80-B	44-51-56
Padhiyarka	Mahuva	Bhavnagar	80-C	20-48-74
Doliya	Mahuva	Bhavnagar	67-P/1	48-18-82
Doliya	Mahuva	Bhavnagar	67-P/2	00-40-47
Doliya	Mahuva	Bhavnagar	67-P/3	09-47-97
		Total		222-06-24

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2.3

Proposal made by Nirma Pvt. Ltd.:

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The Proposal being prepared by their consultant in this regard was produced to this department wherein, the suggestion was given to construct canal for diverting the flow of water and to deepen the reservoir for maintaining the storage capacity and to divert the rainy water in the reservoir.

If the land as demanded by Nirma Ltd. is transferred then storage capacity of the project will be reduced by 21.18 Million Cubic Feet of Water.

Nirma Company has suggested planning of Drain-A,B,C as shown in the map on three sides of land under demand. The details thereof are as under.

[A] Drain:-

Drain	Length	Crosscut	Expenditure	Purpose
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A	1100 Mt.	50.0 x 2.75 Mt.	060.00	To divert natural flow of water towards reservoir and periphery recharge
B	950 Mt.	45.0 x 2.25 Mt.	037.00	To divert natural flow of water towards reservoir and periphery recharge
C	1500 Mt.	3.0 x 2.25 Mt.	004.00	For Periphery recharge and lift irrigation
		Total	101.00	
(B)	Additional digging work to adjust the decreased quantity		184.00	
		Total	285.00	

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2.4 Price of land being acquired in Samadhiyala Bandhara Project.

The awards have been passed at the following rates of the private land being acquired in Samadhiyala Bandhara Project.

Sr. No.	Village	L.A.Q. Case No.	Area of Land in Hectare	Nature of land and rate			
				Irrigated	Rate Per Sq.Mt.	Non-irrigated	Rate Per Sq.Mt.
1.	Patva	4/98	3-07-57	1-04-20	5-00	2-03-37	4-00
2.	Samadhi yala	3/98	2-90-11	-	-	2-90-11	5-50

Whereas the the land to be transferred to Nirma Ltd. is a government waste land. Relying upon the award made at mouje Samadhiyala as stated in the chart herein above then the land so demanded admeasuring about 222-06-25 hectare at the rate of Rs. 5.50 per sq. mtr comes to 125 lacs.

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Effect on the project due to
proposal of Nirma Pvt. Ltd.

Moreover, there may be
deduction of 21.18 MCFT in the
storage capacity. The details are
as under.

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About 5-97-68 Hectare Private
land and 216-00-00 Hectare
Government land come under
submergence in Samadhiyala
Bandhara Project. Out of the
Government land which comes under
submergence 116-00-00 Hectare land
of Amreli District and 100-00-00
Hectare land of Bhavnagar District
come under submergence. The
Government land of Bhavnagar
District which has been
transferred to the Irrigation
Department for Samadhiyala
Bandhara Project and its total
area comes to 222-06-25 Hectare.

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The demand of all this land has been made by Nirma Company. Thus, out of the land under demand, 100 Hectare comes under submergence of Samadhiyala Bandhara, while 122-06-25 Hectare land remains outside submergence.

Particulars	Actual planning of Samadhiyala Bandhara	Reduction after allotment to Nirma Company	Percentage
(a) Storage capacity	62.31 Mt. Cube feet	21.18 Mt. Cube feet	34 34%
(b) Sinking area (Bhavnagar District)			
Private	-	-	-
Government	100 Hectares	100 Hectares	100

3.0 The following points become clear as per above details: To adjust reduction taking place in the capacity of water in Samadhiyala Bandhara.

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As stated in earlier proposal, due to water filled up in submerging land, about 21.18 MCFT reduction takes place in the capacity of reservoir. Thus, the reduction of 21.18 MCFT taking place in water in the area 'X' shown in the map herewith, necessary digging work can be done.

The reduction of 21.18 MCFT which is to take place in reservoir can be compensated by digging in the area 'X', the detail of Government Waste Survey No.27 and 179 on the right side in the upper region of ABCD Bandharaline in the map is as under.

Sr. No.	Survey No.	Village/Taluka/District	Total Area in Hectare	Out of them the areas to be deepened in

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				Hectare
1	27	Samadhiyala/Rajula/Amreli	16	15
2	179	Samadhiyala/Rajula/Amreli	116	60
Total			132	75

Thus, out of total Government Waste of 132 Hectares, 75 hectares of land bears the level from 3.82 to 6.90 mtrs. By digging the very land from 2.70 to 3 mtrs level and increasing in the breath of Samdhiyala Bandhara the reduction of the amount can be compensated. The proposed digging may cost upto 500 lacs of rupees. In this proposed land there is a road joining these two villages as well as Simal if the road taken on the periferry question of submergence of road would not arise.

Further, it is stated that on account of land to be released under Samadhiyala Bandhara Project there is no possibility of any

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other alternative except which is suggested above to adjust the decrease to take place in the capacity of water. The villages site of Samadhiyala is situated in the lower region of Bandhara line ABCD of Samadhiyala Bandhara. Its capacity is less. Moreover, as outskirts and village site is situated surrounding to it and there is clay Bandhara line in between, it is not proper to take much depth or breadth from administrative point of view. Moreover, in the upper region of Samadhiyala Bandhara Village Patva and Doliya outskirts land is situated on left side and level being high and it being not Government Waste or pasture, additional pond or digging work cannot take place. Hence, except above stated suggestion, no any

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other alternative seems for adjusting the decrease of water.

4.0 The following points become clear as per said details.

4.1 During site visit on 21-09-05 no hindrance seems to take place for flow coming into reservoir through drain "A" and drain "B" on both sides of land under sinking. Moreover, rainy water of upper portion in the centre may easily come in the reservoir through connecting drain "C".

4.2 As stated in the earlier proposal, due to water collecting in the sinking land, the decrease which is taking place in the capacity of reservoir is likely to be adjusted by doing necessary digging work in area 'X' as shown in the map herewith. As per the

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said details, clarification has been made in Para-3.

4.3 No hindrance seems to take place to the flow of reservoir by construction of cement factory by Nirma Company in the land in question.

4.4 Since the proposed cement factory is situated adjoining the reservoir, the consent from Nirma company shall be obtained that industrial polluted water will not be released by Nirma Company in the reservoir.

4.5 Since the proposed cement factory is adjoining to the reservoir, the undertaking that Nirma Company will not use Sweet water directly or indirectly through reservoir or tubewell shall be obtained from Nirma Company. And the company

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shall have to obtain prior approval of the department before making any tubewell or well in this area.

4.6 On account of proposed Cement factory whatever construction shall be undertaken relating to the capacity of reservoir, it shall be undertaken in consultation with the said department under direct supervision.

4.7 On account of said cement factory, for the flow in reservoir, desalting procedure in proposed Drain-A, B, C and repairs and maintenance shall be scrutinized permanently every year and undertaken by Nirma Company and the decision of the Executive Engineer, Salinity Control

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Division, Bhavnagar shall be final
in this regard.

4.8 The company shall keep level of filling up hollow gap in the land for the construction upto 0.5 meter high from maximum reservoir level 5.42 meters level i.e. about 6 meter level high plinth. Therefore, at the time of flood, the construction of factory may not come under submergence and that way, the company shall make planning of road etc. For filling up hollow gap upto 6 meter level, soil/earth shall be brought from outside instead of basin of reservoir.

4.9 Total surface is 3.82 meter. On making filling up hollow by necessary clay work in the proposed land in question, total surface coming above 3.82 meter

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high level, the periphery of water bodies would come out, and pursuant to decision rendered by the Honourable High Court in Special Civil Application No. 10621/2000 on 2/8/02 in respect of water bodies preservation by direction given on Page No. 48 in Para-24(G), after fixing the periphery area, the Water Bodies Authority can take necessary decision. Further, the undertaking from the company shall be obtained as to the company shall make use for afforestation or residential purpose only in the land given to the company in 60 mt. area from the shore of reservoir.

Thus, taking the aforesaid facts into consideration, as per earlier proposal and subject to the conditions mentioned in Para-4 above and taking the possibility

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of Para-3 above into
consideration, there is no
difficulty to make proposal to the
competent department to release
the land for allotting the same to
the Industrial house. Such opinion
is given.

Sd/- Illegible

Executive Engineer

Salinity Control Division

Bhavnagar.

Sd/- Illegible

Supdt. Engineer

Salinity Entry

Prevention Circle

Rajkot.