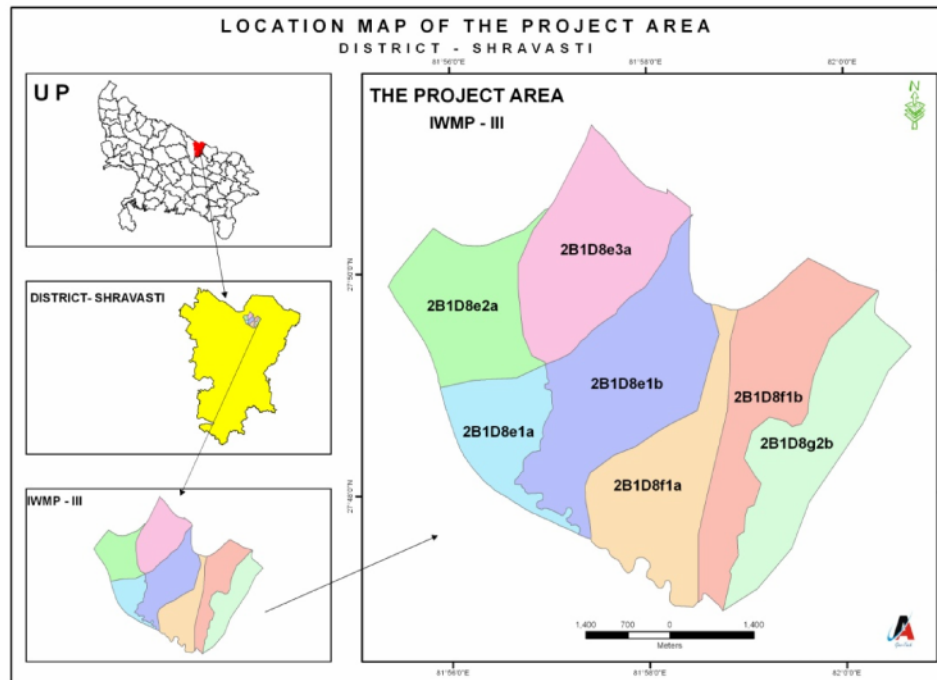


DETAILED PROJECT REPORT (D.P.R.)

(I.W.M.P. 3rd – SHRAVASTI)

INTEGRATED WATERSHED MANAGEMENT PROGRAMME, BLOCK- SIRSIYA
DISTRICT - SHRAVASTI (UTTAR PRADESH)



Submitted to: -
Department of Land Development &
Water Resources Lucknow (U.P)



Prepared By: -
Bhoomi Sanrakshan Adhikari,
Department of Land Development
& Water Resources, Shrivasthi

Land Development & Water Resources Government of U. P. Lucknow

CERTIFICATE

It is certified that the proposed IWMP-III project comprising Seven micro-watersheds of district Shravasti, Uttar Pradesh has been selected for its sustainable development on watershed basis under Integrated Watershed Management Programme. The land is physically available for proposed interventions and is not overlapping with any other schemes. It will be developed as per Common Guidelines for Watershed Development Project-2008, GOI, New Delhi. The significant results will be achieved through proposed interventions on soil and water conservation, ground water recharge, availability of drinking and irrigation water, agricultural production systems, livestock, fodder availability, livelihoods of asset-less, capacity building, etc. The proposed Detailed Project Report of IWMP-III for financial year 2010-11 is submitted for its approval and implementation.

Bhoomi Sanrakshan Adhikari

Department of Land Development & Water Resources,
Shravasti, Uttar Pradesh

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EXECUTIVE SUMMARY

IWMP-III Project is located in Sirsiya Block of Shravasti district, Uttar Pradesh. The Project comprises of 7 Micro-watersheds with code no:-2BID8e1a, 2BID8e1b, 2B1D8e2a, 2B1D8e3a, 2B1D8f1a, 2B1D8f1b, and 2B1D8g2b,. The total geographical area of the project is 4893.03 ha, out of which 3500 ha. area has been taken for treatment under Integrated Watershed Management Programme starting year 2010-11. Total 14 villages are being covered under this project. This watershed has been identified by the state department under IWMP scheme by proper prioritization of different parameters for watershed selection criteria. The above watershed is located in the North-East part of the district, between 27°46'56.369"N to 27°51'19.406"N latitude and 81°58'45.023"E to 82°0'40.153"E longitude. Brief details of various component of the project are given below.

Shravasti was the capital of the Kosala Kingdom during 6th century BC to 6th century AD. This prosperous trading centre was well known for its religious associations. The project area is important from Buddhism point of view because Lord Buddha performed a number of miracles here.

The altitude of the area, on an average, ranges from 123 to 202 m above the Mean Sea Level (MSL).

The texture of the Soils are fine loamy to clay. The baseline surveys have been conducted at individual household level. The details are given in chapter 3. The institution arrangement like PIA and its staff, WDT, UG, SHG and WC details have been annexed in chapter 4. The management and action plan like livelihood, production system and treatment area action plan details have been annexed in the respective chapters.

All the thematic maps pertaining to the project area have been attached along with the action plan map. Finally an attempt has been made to prepare individual project wise file for all the MWS wise.

PROJECT AT A GLANCE

1.	Name of Project	IWMP –III , L.B. RAPTI RIVER WATERSHED
2.	Name of Block	SIRSIYA
3.	Name of District	SHRAVASTI
4.	Name of State	UTTAR PRADESH
5.	Code of Micro Watersheds	2BID8e1a, 2BID8e1b, 2B1D8e2a, 2B1D8e3a, 2B1D8f1a, 2B1D8f1b, and 2B1D8g2b
6.	Name of Village(16) under Micro Watershed	Bharatha Kala,Ranipur,Chaube Purwa,Nand Nagar Bhela,Gholiya,Shankar Pur,Tenduva Ratanpur Titihariya,Bhainsahi,Hempur,Piprahawa Joga Gaon,Jamuni Kala, Bairihawa and Sonpur.
7.	Total Area of the Project	4893.03
8.	Proposed Area for Treatment	3500.00 ha
9.	Cost per Hectare	Rs. 12000 per ha
10.	Project Period	YEAR 2010-11 TO 2014-15
11.	Total Cost of Project	Rs. 420.00 Lac
12.	Proposed man days	2,35,200 Nos.

Year wise Physical & Financial Phasing of various component of IWMP-III District SHRAVASTI

S. No.	Particulars	2010-11		2011-12		2012-13		2013-14		TOTAL	
		Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.
1	Administrative Cost - 10%	8.40	--	11.34	\--	11.34	--	10.92	--	42.00	--
2	Monitoring - 1%	0.84	--	0.84		0.84	--	1.68	--	4.20	--
3	Evaluation - 1%	1.26	--	--	--	1.47	--	1.47	--	4.20	--
4	Entry Point Activity - 4%	16.80	103 Nos.	---	--	-	--	--	--	16.80	103 Nos.
5	Institution & Capacity Building - 5%	12.60	8 Nos.	3.15	--	3.15	--	2.10	--	21.00	--
6	DPR - 1%	4.20		-	--	-		--		4.20	--
7	Watershed Development work - 56%	31.50	469.0	64.47	959.0	63.00	938.00	76.23	1134.00	235.20	3500.00
8	Livelihood Activity - 9%	4.20	--	12.60	--	12.60	--	8.40	--	37.80	--
9	Production System & Micro Enterprise - 10%	4.20--		12.60	--	12.60	--	12.60	--	42.00	--
10	Consolidation - 3%	--	--	---	--	-	--	12.60	--	12.60	--
Total		84.00	469.0	105.00	959.0	105.00	938.00	126.00	1134.00	420.00	3500.00

Budgeting, Phasing and Action Plan

. No.	Particulars	Phasing of Budget				
		1 st Year	2 nd Year	3 rd Year	4 th	Total
1	Administrative Cost - 10%	8.40	11.34	11.34	10.92	42.00
2	Monitoring - 1%	0.84	0.84	0.84	1.68	4.20
3	Evaluation - 1%	1.26	--	1.47	1.47	4.20
4	Entry Point Activity - 4%	16.80	---	-	--	16.80
5	Institution & Capacity Building - 5%	12.60	3.15	3.15	2.10	21.00
6	DPR - 1%	4.20	-	-	--	4.20
7	Watershed Development work - 56%	31.50	64.47	63.00	76.23	235.20
8	Livelihood Activity - 9%	4.20	12.60	12.60	8.40	37.80
9	Production System & Micro Enterprise - 10%	4.20--	12.60	12.60	12.60	42.00
10	Consolidation - 3%	--	---	-	12.60	12.60
	Total	84.00	105.00	105.00	126.00	420.00

Budget for Various Components (I.W.M.P. - III,)

SHRAVASTI (U.P.)

S.N.	Budget Component	%	Total (lakhs)
A.	1. Administrative	10	42.00
	2. Monitoring	1	4.20
	3. Evaluation	1	4.20
B.	Preparatory Phase	4	16.80
	1. Entry point activities	5	21.00
	2. Institution and capacity building	1	4.20
	3. Detailed Project Report(DPR)		
C.	WATERSHED WORKS PHASE		
	1. Watershed development works,	56	235.20
	2. Livelihood activities for the asset less persons	9	37.80
	3. Production system and micro enterprises.	10	42.00
D.	CONSOLIDATION PHASE	3	12.60
	GRAND TOTAL	100	420.00

CHAPTER-1

INTRODUCTION & BACKGROUND

1.1 Project Background:-

The IWMP – III (2010-11) project of Shravasti district in Sirsiya Block, of Uttar Pradesh, is located about 22 km from district head quarter Bhinga to Talbaghaura road. There are Seven (7) Micro Watershed included in the project. Which comprise of 14 revenue villages.

The watershed is proposed to be taken by Bhoomi Sanrakshan Adhikari, Department of Land Development & Water Resources, Shravasti, for IWMP programme starting from 2010-11. It is proposed to be completed by 2014-15.

The Status of Integrated Watershed Management Programme as approved by Steering Committee, Govt. of India for Shravasti district, Uttar Pradesh is given in Table Nos. 1.1, 1.2 and 1.3.

Table 1.1: Status of watershed programme, District- Shravasti,

Details	No.	Area (Lac ha.)
1	2	3
Total Micro watersheds in the district	217	2,45800
Workable Micro Watersheds	178	2,01586
Micro Watersheds already treated by DLWR & other agencies	39	0.44000
Balance Micro Watersheds (MWS) for treatment (Before start of IWMP in district)	152	1,64386

Table 1.2: Approved plan (PPRs) by Steering Committee (SC)/Gov. of India, District- Shravasti,

Year	Project/ Phase IWMP.....	MWS	Area (ha)	Project Cost Rs. lakh	Name of PIA	S.C. Meeting Date
1	2	4	5	6	7	8
2010-11	IWMP- III	7	3500	420.00	BSA, LDWR, Shravasti,	

Table 1.3: Status of previous DPRs, District- Shravasti,

Sl. No.	Approved Project (IWMP)	Status of DPR under preparation/ prepared/approved by SLNA with date	Project Area ha	Treatable Area ha	Project cost Rs. (Lakh)	Project period (Fin. Year from...to...)	PIA
1	2	3	4	5	6	7	8
	IWMP- I	Prepared	6316.52	4701	564.12	2009-10 to 2013- 14	BSA, LDWR Shravasti,
	IWMP- II	Prepared	6844.32	4100	492.00	2010-11 to 2014- 15	BSA, LDWR Shravasti,

Table 1.4: Details of IWMP-III (2010-11) for which this DPR is Prepared

Watershed project IWMP	Micro Watersheds (MWS) detail	Micro watersheds code	Treatable Area in (ha)	Total Area of MWS	Name of Watershed in which MWS is falling (River / Nala name)
IWMP-III	Hempur	2BID8e3a	492.00	2118.52	Watershed Falling in Rapti River through Kain Nala
		2BID8e2a	1002.00		
	Bharatha Kala	2B1D8e1a	319.00	1674.98	
		2B1D8e1b	533.00		
		2B1D8f1a	374.00		
	Jamuni Kala	2B1D8f1b	401.00	1099.53	
		2B1D8g2b	379.00		
Total			3500.00	4893.03	

MAIN OBJECTIVES FOR WATERSHED DEVELOPMENT

- (a) Conservation, development and sustainable management of natural resources including their uses.
- (b) Enhancement of agricultural production and productivity in a sustainable manner.
- (c) Restoration of ecological balance in the degraded and fragile rain-fed ecosystem.
- (d) Reduction in regional disparity between rain-fed and irrigated areas.
- (e) Creation of sustainable employment opportunities for the rural community for livelihood.

The main problem in a watershed is the soil erosion by rainfall. The runoff water transport the sediments which may block the channel head, dam, reservoir and storage structures, etc. which in turn affect the agriculture production in the area.

Table 1.5: Problem identification and prioritization for watershed

S. No.	Problem	Rank
1	Low production of field crops	5
2	Lack of drinking water	3
3	Lack of irrigation water	1
4	Lack of fodder availability and low annual productivity	8
5	Non-availability of Sufficient school	7
6	Lack inputs like quality seeds, fertilizer, pesticides etc.	4
7	Lack of market facility	9
8	Lack of medical, educational and transportation facilities	2
9	Medical and health care facilities for milking animals and low productivity	6

Strength, Weakness, Opportunity and Threat (Swot) Analysis Is a Useful Decision Support Tool and detailed below.

Table 1.6: A SWOT analysis of watershed is presented as below:

Strength (S)	Weakness(W)
1- Cooperative work culture is traditional activities 2- Close ethnic tier 3- Road at the top as well as outlet of the watershed 4- Hard working man power 5- Resource pool of crop genetic diversity 6- Awareness of farmers about watershed management program 7- Well established CPR maintaining and sharing system 8- good productivity of soil. 9- Social outlook of the community towards landless	1- Poor water management 2- Resource poor farmers 3- Out migration of youth 4- High and erratic rainfall 5- Fragile geography 6- Fragmented land holding. 7- Heavy infestation of wild animals 8- Problem of fuel and fodder
Opportunities(O)	Threats (T)
1- Wide range of annual and perennial crops 2- Scope of regular employment opportunity to check out migration 3- Strengthening of existing irrigation system 4- Conductive climate for rain fed crop diversification 5- Good scope for agro-forestry and dry land horticulture. 6- Potential for collective active action and management of CPRs.	1- Prone to adverse climate like drought 2- High market risk 3- Social conflicts owing to PRI & WSM policies and local policies. 4- Weak coordination among line departments. 5- Lack of expertise of implementing agencies in different aspect of WSM.

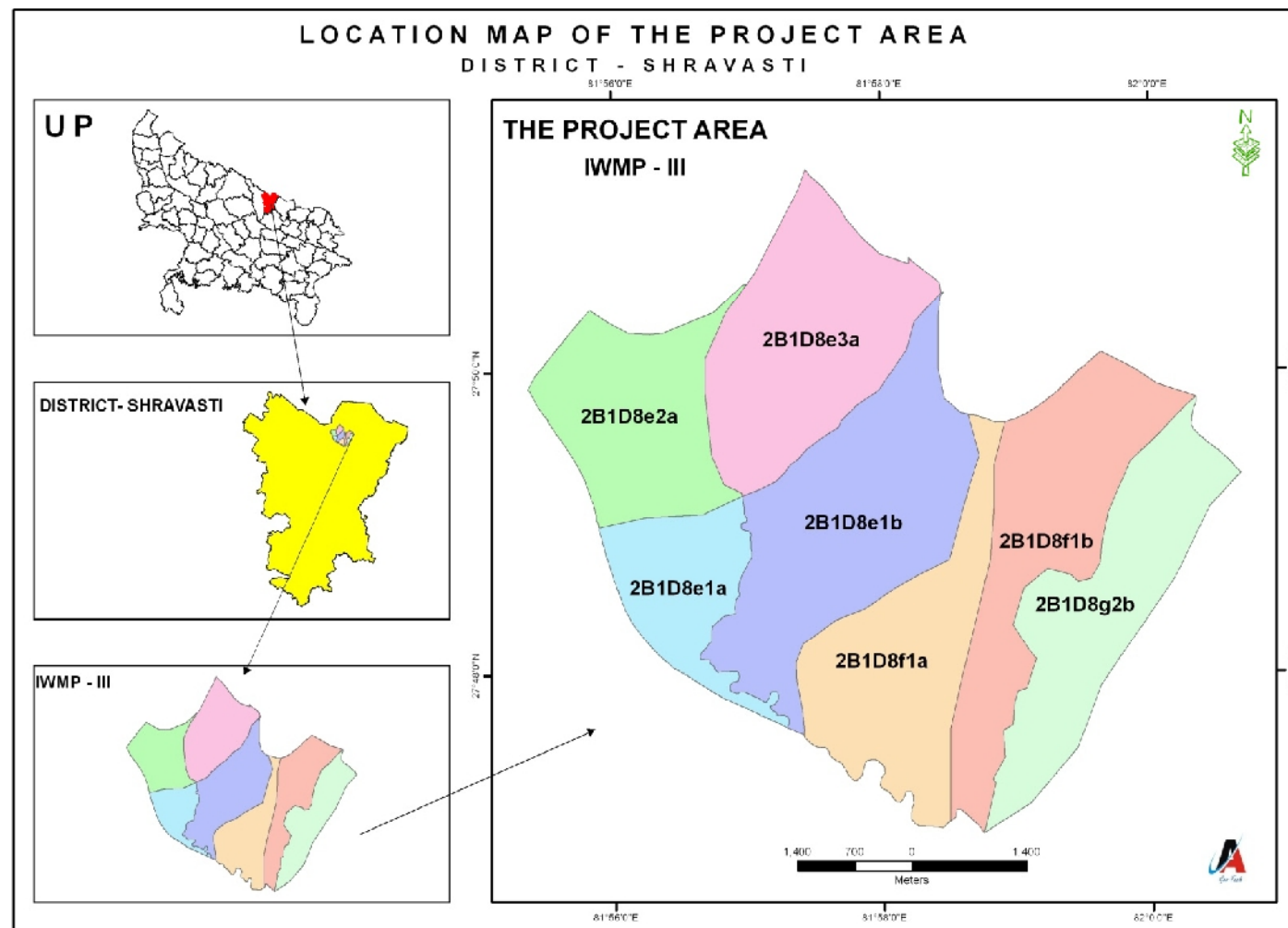
Table 1.7: Weight age of the Project

District	Name of the Project	No. of micro-watersheds proposed to be covered	Proposed project area (ha)	Proposed cost (Rs. in lakh)	Weight age								
					i	ii	iii	iv	v	vi	vii	viii	ix
Shravasti	IWMP-III	7	4893.03	420.00	10	5	5	10	0	10	10	7.5	7.5
					x	xi	xii	xiii	xiv				
					10	10	5	0	90.00				

CHAPTER – 2

GENERAL DESCRIPTION OF PROJECT AREA

2.1 Location: - The micro-watershed IWMP- III, is situated in Sirsiya Block of Shravasti district, U.P. It is located about 22 km, from district headquarter. The details about micro-watersheds, their geographical location (lat/long), Gram Panchayat, villages and its geographical area, etc. is given in Table 2.1



**Table 2.1: Micro-watershed wise details of location, Gram Panchayat, villages and geographical area of IWMP- III,
SHRAVASTI,**

S. No.	Name of micro watershed with Code	Latitude / Longitude	Name of GP	Names of villages	Name of Block	Area of village included in MWS(ha)	Details of Main approach road with distance km.
1	2	3	4	5	6	7	8
1	Ranipur 2B1D8e1a	27°47'38.924"N TO 27°49'10.27"N & 81°55'53.276"E TO 81°57'15.962"E	Bharatha Kala Ranipur	Bharatha Kala Ranipur Chaube Purwa Nand Nagar Bhela Hempur Bhinga Range	SIRSIYA	385.75	Bhinga to Tenduva Ratanpur 13 Km then Ranipur 8 km.through Bhinga to Tal Baghaura Road.
2	Bharatha Kala 2B1D8e1b	27°47'37.013"N TO 27°50'30.118"N & 81°56'37.968"E TO 81°58'43.103"E	Gholiya Jamuni Kala Bharatha Kala Tendua Ratanpur Shankarpur Titihariya Ranipur Bhinga Range	Gholiya Bhainsahi Bharatha Kala Tendua Ratanpur Shankarpur Titihariya Bhinga Range Chaube Purwa	SIRSIYA	734.68	Bhinga to Bharatha Kala 16 Km. through Bhinga to Tal Baghaura Road.
3	Hempur / 2B1D8e2a	27°48'58.229"N TO 27°50'34.585"N & 81°55'22.63"E TO 81°56'56.983"E	Bharatha Kala Hempur Piprahawa Joga Gaon Ranipur Shankarpur Bhojpur Billi	Bharatha Kala Hempur Piprahawa Joga Gaon Ranipur Shankarpur Bhojpur Billi Chaube Purwa	SIRSIYA	1327.16	Bhinga to Tendua Ratanpur 13 Km.then Hempur 9 km. through Bhinga to Tal Baghaura Road

4	Shankarpur 2B1D8e3a	27°49'9.996"N TO 27°51'19.412"N & 81°56'42.028"E TO 81°58'27.82"E	BharathaKala Piprahawa JogaGaon Shankarpur Bhojpur Bill Gholiya	Bharatha Kala Piprahawa Joga Gaon Shankarpur Bhojpur Bill Gholiya Bechua	SIRSIYA	791.36	Bhinga to Shankarpur 20 Km. through Bhinga to Tal Baghaura Road
5	Tendua Ratanpur 2B1D8f1a	27°46'58.673"N TO 27°49'42.912"N & 81°57'20.035"E TO 81°58'54.805"E	Gholiya Jamuni Kala Tendua Ratanpur Titihariya Bhinga Range	Gholiya Jamuni Kala Tendua Ratanpur Titihariya Bhinga Range Bhainsahi	SIRSIYA	554.55	Bhinga to Tendua Ratanpur 12 Km. through Bhinga to Tal Baghaura Road
6	Jamuni Kala 2B1D8f1b	27°46'57.464"N TO 27°50'6.893"N & 81°58'30.55"E TO 82°0'19.684"E	Gholiya Jamuni Kala Tendua Ratanpur Titihariya Masaha Kala Bairihawa	Gholiya Jamuni Kala Tendua Ratanpur Titihariya Masaha Kala Bhainsahi Bechua Sonpur Bairihawa	SIRSIYA	582.00	Bhinga to Bharatha Kala 15 Km.then Jamuni Kala 7 km. through Bhinga to Tal Baghaura Road
7	Bairihawa 2B1D8g2b	27°46'58.544"N TO 27°49'49.232"N & 81°55'21.612"E TO 82°0'40.153"E	Bairihawa Jamuni Kala Masaha Kala Lohti Pooredari Titihariya	Bairihawa Jamuni Kala Masaha Kala Lohti Pooredari Bhainsahi Sonpur	SIRSIYA	517.53	Bhinga to Sonbarasa 17Km.then Bairihawa 5 km. through Bhinga to Sirsiya Road
	Total					4893.03	

Area and Land use: Total area of the watershed is 4893.03 ha out of which treatable area is 3500.00 ha. Micro-watershed-wise details of the land use/land cover are depicted in Table 2.2.

Table 2.2: Land Use/Land Cover Statistics of the Project Area

S N	Name of micro watershed with Code	Cultivated and wasteland				Area details (ha)								
		area of the village (ha)				(falling within the projects)								
		Cultivated rain fed area	Cultivated irrigated area	Uncultivated wasteland/ fallow		Pvt. Agri. Land					Forest Land	Comm unity land	Others	Total area (ha)
				Temp.	Permane nt	Gen	SC	ST	OBC	Total			(Pl. specify)	
1	2	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Ranipur 2BID8e3a,	424.60	60.30	49.40	29.50	101.83	92.13	--	290.94	484.9	--	59.60	167.96	791.36
2	Bharatha Kala 2BID8e2a,	977.80	100.20	46.20	16.50	241.69	174.74	--	661.57	1078.00	--	39.50	146.96	1327.16
3	Hempur 2B1D8e1a	254.50	24.00	13.50	12.50	62.44	45.14	--	170.92	278.50	17.01	21.20	43.04	385.75
4	Shankarpur 2B1D8e1b	520.50	62.50	24.50	9.80	122.43	110.77	--	349.80	583.00	59.61	31.20	26.57	734.68
5	Tendua Ratan 2B1D8f1a	410.30	39.40	28.70	12.00	100.82	72.90	--	275.98	449.7	32.98	12.20	18.97	554.55
6	Jamuni 2B1D8f1b	370.60	42.30	16.40	8.20	92.57	66.93	--	253.40	412.90	--	8.50	136.00	582.00
7	Bairihawa 2B1D8g2b	336.09	48.30	26.91	6.00	80.72	73.03	--	230.63	384.39	--	11.60	88.63	517.53
TOTAL		3294.39	377.00	205.61	94.50	802.50	635.65	--	2233.24	3671.39	109.60	183.80	628.13	4893.03

LAND CAPABILITY CLASSIFICATION (LCC)

Land capability classification(LCC) is crucial for appropriate land use planning consisting of practices like choice of vegetation /crops, tillage practices, use of scientific method of cultivation and desirous conservation practices, Detailed LCC Survey carried out in the watershed brought out the prevailing LCC classes as I,II,III,IV,V, VI and VII. The watershed area is also classified under different Land Capability Classes (LCC) II to VII as detailed in Table 2.4.

Table 2.3: Area under Different Land Capability Class (LCC)

S. No.	Name of MWS & code	Land Capability Class						Main Problem
		II	III	IV	V	VI	VII	
1	2	3	4	5	6	7	8	9
1	Ranipur Bhela 2B1D8e3a,	480.2	216.2	74.5	13.8	6.6	-	Sheet Erosion, Class-ii, iii & IV and Gully Erosion Class -v, vi,
2	Bharatha Kala 2B1D8e2a,	902.5	290.6	126.1	8.0	-	-	
3	Hempur 2B1D8e1a	243.0	100.3	23.1	19.3	-	-	
4	Shankarpur 2B1D8e1b	376.5	166.0	66.1	120.5	5.5	-	
5	Tendua Ratan 2B1D8f1a	290	144.2	45.5	68.2	6.7	-	
6	Jamuni 2B1D8f1b	358.0	159.0	54.8	10.2	-	-	
7	Bairihawa 2B1D8g2b	318.4	141.4	48.7	9.1	-	-	
	Total	5997.7	2554.5	899.2	334.7			

Physiography:

The micro watershed of the IWMP-II is located at an elevation of 123 to 202 m above mean sea level (msl). Elevation range and relief are given in Table 2.4.

Table 2.4: Elevation Range, Longitude/ Latitude, Relief Height Difference of the MWS

S. No.	Watershed Code	Location		Elevation of watershed from Mean Sea level		
		Latitude (N)	Longitude (E)	Highest (M)	Lowest (M)	Relief (M)
1	Ranipur Bhela 2B1D8e3a,	27°49'9.996"N to 27°51'19.412"N	81°56'42.028"E to 81°58'27.82"E	124	141	17
2	Bharatha Kala 2B1D8e2a,	27°48'58.229"N to 27°50'34.585"N	81°55'22.63"E to 81°56'56.983"E	124	144	20
3	Hempur 2B1D8e1a	27°47'38.924"N to 27°49'10.27"N	81°55'53.276"E to 81°57'15.962"E	123	137	14
4	Shankarpur 2B1D8e1b	27°47'37.013"N to 27°50'30.118"N	81°56'37.968"E to 81°58'43.103"E	124	135	11
5	Tendua Ratan 2B1D8f1a	27°46'58.673"N to 27°49'42.912"N	81°57'20.035"E to 81°58'54.805"E	123	131	8
6	Jamuni 2B1D8f1b	27°46'57.464"N to 27°50'6.893"N	81°58'30.55"E to 82°0'19.684"E	123	137	14
7	Bairihawa 2B1D8g2b	27°46'58.544"N to 27°49'49.232"N	81°55'21.612"E to 82°0'40.153"E	124	138	14

Slope: Slope map of the micro watershed was prepared using Arc GIS software. Slope was divided into different class viz. 0-0.5%, 0.5-1.0%, 1-3%, 3-5% and more than 5% and data is presented in Table 2.5 below. The maximum slope area, in the micro-watershed, falls in the category of 1-3% .

Table 2.5: Slope Range in the Project Area

Sl. No.	Name of MWS & code	Slope range wise area (ha)						
		0-05%	0.5-1%	1-3%	3-5%	>5%		Others
						5-10%	10-15%	Specify
1	2	3	4	5	6	7	8	9
1	Ranipur Bhela 2B1D8e3a,	209.9	524.8	51.5	5.1	-	-	
2	Bharatha Kala 2B1D8e2a,	352.0	880.2	86.4	8.6	-		
3	Hempur 2B1D8e1a	102.3	255.8	21.3	6.4	-	-	
4	Shankarpur 2B1D8e1b	194.8	487.2	48.8	3.8	-	-	
5	Tendua Ratan 2B1D8f1a	147.1	367.8	36.1	3.6	-	-	
6	Jamuni 2B1D8f1b	154.3	386.0	37.9	3.8	-	-	
7	Bairihawa 2B1D8g2b	137.2	343.2	33.7	3.4	-	-	
	Total	1297.6	3245.1	318.5	31.8	-	-	

Climate:

The climate of the region is characterized as semi-arid with average annual rainfall less than 841.2 mm annually with an average of 25-35 rainy days. Out of which 85% is received during the monsoon season from July to September. The area received very less rainfall in the winter season. Temperature ranges from as high as 46°C in the May-June to as low as 2.5°C during December-January. The trend of the rainfall is very erratic and maximum (62%) water goes as runoff.

Table 2.6: Average monthly rainfall, and Temperature of the last five years

Month	Year/Rainfall in mm.						Temperature °c	
	2004	2005	2006	2007	2008	Average	Max.	Min.
January	20	-	30	-	40	30	14	2.5
February	-	-	-	-	-	-	18	8
March	-	-	-	-	32.2	-	26	14
April	-	-	-	-	-	-	38	20
May	-	-	-	-	49.0	-	42	22
June	110	120	135	105	105	115	46	25
July	240	260	275	255	290	260	42	24
August	180	140	160	205	240	165	35	23
September	105	75	95	100	55	86	30	24
October	-	-	-	-	-	-	28	18
November	-	15	-	20	10	15	26	14
December	10	-	10	-	20	13	20	8
Total	665	600	705	685	841.2	654		

Agro-Climate Conditions

The Agro-Climate condition of the project area of Shrivasthi district is briefly described in Table 2.7 below.

Table- 2.7: DETAILS OF AGRO-CLIMATE CONDITIONS

S. No.	Name of the District	Name of the Project	Name of the Agro-climatic zone covers project area	Area in ha	No. of the villages	Major soil types		Topography	Average rainfall in mm (preceding 5 years average)	Major crops	
						a)Type	b) Area in ha			a) Name	b) Area in ha
1.	SHRAVASTI,	I.W.M.P. - III	Tarai Zone-3	4893.03	16	Fine Loamy & Coarse Loamy	3570.00	Undulating	715	KhariF: Paddy Til,	2370.00
							2746.00			Rabi: Wheat, Mustard, Masoor	2500.00
										Total	4870.00

Source: PPR 2009-10

The Wind velocity of the Project area ranges from 4-17 Km/hr. The open pan evaporation varied in the range of 0.5 to 20 mm/day during the year with average of about 5 mm/day. Average relative humidity varied in the range of 25% to 98%.

Table 2.8: Details of Flood and Drought in the Project Area (IWMP-III, Shravasti,)

1 Sl. No.	Name of Micro Watershed	2	3	4		5
		Particulars	Villages	Periodicity		Not affected
				Annual	Periodically	
IWMP-III SHRAVASTI	Ranipur Bhela Bharatha Kala Hempur Shankarpur Tendua Ratanpur Jamuni Kala Bairihawa	Flood	No. of villages	-	14	
			Name(s) of villages	-	Ranipur Bhela, Chaube purwa, Nand Nagar Bhela, Gholiya, Bhainsahi, Piprahwa JogaGaon, Sonpur, Titihariya Bharatha Kala ,Hempur Shankarpur, Tendua Ratanpur, Bairihawa Jamuni Kala.	
		Drought	No. of villages	-	14	
			Name(s) of villages	-	Ranipur Bhela ,Chaube purwa,Nand Nagar Bhela,Gholiya,Bhainsahi, Piprahwa Joga Gaon, Sonpur, Titihariya Bharatha Kala ,Hempur Shankarpur,Tendua Ratanpur,Jamuni Kala Bairihawa ,	

Watershed Characteristics

The shape of watershed IWMP -III, Shravasti is more or less rectangle in shape. The direction of the slope in the project area is north-west to south-east. The shape and size of the micro watershed is given in Table 2.9.

Table- 2.9: Watershed Characteristics

S. No.	Name and Code of Microwatershed	Area (ha)
1	Ranipur Bhela 2B1D8e3a,	791.36
2	Bharatha Kala 2B1D8e2a,	1327.16
3	Hempur 2B1D8e1a	385.75
4	Shankarpur 2B1D8e1b	734.68
5	Tendua Ratan 2B1D8f1a	554.55
6	Jamuni 2B1D8f1b	582
7	Bairihawa 2B1D8g2b	517.53
	Total	4893.3

Geomorphology:

The watershed is located in the North-East corner of the Shravasti district. The entire watershed is topographically divided into three major landforms. Accordingly, the soils of watershed can be grouped into two major categories, Such as Plain land, Moderate land, and eroded land. The annual soil erosion in the project area is 20 to 25 tons/year as detailed below.

Table- 2.10: DETAIL OF SOIL EROSION (I.W.M.P-III), SHRAVASTI,

S.N.	Name of Micro Watershed	1	2	3	4	5
		Cause	Type of erosion	Area affected (ha)	Run off (mm/ year)	Average soil loss (Tonnes/ ha/ year)
1 2 3 4 5 6 7	Ranipur Bhela	Soil erosion			410	15-25
	Bharatha Kala	a	Sheet	3848.3		
	Hempur	b	Rill	822.02		
	Shankarpur	c	Gully	222.63		
	Tendua Ratanpur					
	Jamuni Kala					
	Bairihawa					
		Total		4893.00		

CHAPTER-3

BASLINE SURVEY AND PARTICIPATORY RURAL APPRAISAL

SOCIO-ECONOMIC CONDITIONS

Details of the population of the micro watershed are given in Table 3.1. About 30 % population is scheduled caste. Due to hard life and low seasonal income in the area a large number of people migrate to large cities where they work as daily labour / rickshaw puller.

Table 3.1: Demographic Features in the project area IWMP – III of Shravasti

SN	Name of Micro Watershed	Name of Viilages	Total Population			Population of SC/ST		
			Total	Male	Female	Total	Male	Female
1	2	3	4	5	6	7	8	9
	Ranipur Bhela	Bharatha Kala	3611	1857	1754	606	334	272
		Ranipur Bhela	1159	597	562	181	98	83
		Chaube Purwa	795	468	327	87	49	38
	Bharatha Kala	Nand Nagar Bhela	565	297	268	21	12	9
		Gholiya	-	-	-	-	-	-
	Hempur	Shankerpur	2964	1519	1445	696	365	331
	Shankarpur	Tendua Ratanpur	1530	804	726	610	320	290
		Titihariya	1125	591	534	264	145	119
		Bhainsahi	881	469	412	-	-	-
	Tendua Ratanpur	Hempur	5471	2811	2660	805	428	377
		Piprahwa Joga Gaon	4256	2181	2075	556	302	254
	Jamuni Kala	Jamuni Kala	1593	837	756	445	247	198
		Bairihwa	2146	1114	1032	355	190	165
		Sonpur	510	268	242	136	72	64
Total			26606	13813	12793	4762	2562	2200

Table 3.2: Details of Employment Generation

S. No.	Name of District	NO. of the villages	Wage employment										Self employment				
			No. of man days					No. of beneficiaries					No. of beneficiaries				
			SC	ST	Others	Women	Total	SC	ST	Others	Women	Total	SC	ST	Others	Women	Total
1-	Shravasti	14	69215	-	87585	5921	156800	691	-	4980	512	5671	203	-	394	55	597

Table 3.3: Details of seasonal migration from Project area: Pre-project status

Sl. No.	Names of Watershed	Name of village	No. of persons migrating	No. of days per year of migration	Major reason(s) for migrating	Distance of destination of migration from the village (km)	Occupation during migration	Average Income from such occupation (Rs. in lakh)
1	2	3	4	5	6		7	8
		Bharatha Kala	235	120 to 180	To earn more Money, Due to lack of Employment	700 to 1600	Labour Work	0.25
		Ranipur Bhela	74					0.30
		Chaube Purwa	29					0.28
		Nand Nagar Bhela	19					0.30
		Gholiya	-					0.25
		Shankerpur	58					0.32
		Tendua Ratanpur	182					0.32
		Titihariya	86					0.30
		Bhainsahi	62					0.28
		Hempur	322					0.35
		Piprahwa Joga Gaon	240					0.25
		Jamuni Kala	89					0.28
		Bairihwa	125					0.30
		Sonpur	38					0.32
		Total	1559					

Table 3.4: Typical soil profile of the watershed (dominant soil)

Horizon	Depth (cm)	Morphology
A	0-150	Brown & Black in color, clay content 28%, with free CaCO ₃ , sticky when moist, hard when dry, high elasticity, fissures and cracks, occasional occurrence of free calcium carbonate granules pH 8.0-8.5
B	150-600	Soil is poorly managed and deficient in nutrients such as zinc. Sulphur and boron etc. It lacks in organic matter and generally has slightly higher pH value
C	> 600	Brown and white sand

Soil Texture:

Light brown loam to clay, generally structure less, average in water holding capacity and organic matter, moderately alkaline, restricted drainage, surface soil poor in lime content but the middle layer is calcareous, medium in soluble salts. Carbonates and sulphates practically absent.

Table 3.5: Details of Soil texture in IWMP-III, Shravasti

I. No.	Area in different Soil Group (ha)			
	Light textured soil (sand, loamy sand)	Medium textured soil (Sandy loam, loam, silt loam)	Heavy textured soil (Clayey)	Others specify
IWMP-III	2439.2	1754	700.188	Heavy texture soil not in bunch, Only in patches and some area of light textured soil variable, due to shifting of seasonal nala after monsoon, yearly

Table 3.6: Details of land holding pattern

1	2	3	4	5	6	7		
S. No.	Names MWS with code	Name of Village	Type of Farmer	No. of households	No. of BPL households	Land holding (ha)		
						Irrigated	Rain fed	Total
	Ranipur Bhela 2B1D8e3a, Bharatha Kala 2B1D8e2a, Hempur 2B1D8e1a Shankarpur 2B1D8e1b Tendua Ratan 2B1D8f1a Jamuni 2B1D8f1b Bairihawa 2B1D8g2b	Bharatha Kala	Large farmer	10	-	19.20	27.00	41.20
			Small farmer	20	8	12.70	32.58	40.28
			Marginal farmer	368	113	33.40	343.20	366.60
			Landless person	16	16	--	-	-
			Sub-Total	414	137	65.30	402.78	448.08
		Ranipur Bhela	Large farmer	2	-	6.40	5.20	11.60
			Small farmer	5	9	4.36	6.75	11.11
			Marginal farmer	124	30	13.20	103.47	116.67
			Landless person	21	21	--	--	-
			Sub-Total	152	60	23.96	115.42	139.38
		Chaube Purwa	Large farmer	3	-	9.45	7.05	16.50
			Small farmer	8	5	5.55	13.65	19.20
			Marginal farmer	51	12	14.78	50.5	65.28
			Landless person	32	32	--	-	-
			Sub-Total	94	49	29.78	71.20	100.98
		Nand Nagar Bhela	Large farmer	-	-	--	-	-
			Small farmer	8	11	3.50	15.60	19.10
			Marginal farmer	37	14	16.76	39.30	56.06
			Landless person	4	4	--	--	-
			Sub-Total	49	29	20.26	54.90	75.16
		Gholiya	Large farmer	-	-	--	30.30	33.60
			Small farmer	-	-	--	88.45	91.05
			Marginal farmer	-	-	--	100.15	114.25
			Landless person	-	-	--	-	-
			Sub-Total	-	-	--	218.90	238.90
		Shankerpur	Large farmer	27	-	19.00	102.16	121.16
			Small farmer	48	16	6.55	104.65	111.20
			Marginal farmer	186	166	15.85	195.37	211.22

			Landless person	62	62	--	-	-
			Sub-Total	323	244	41.40	402.18	443.58
		Tendua Ratanpur	Large farmer	7	-	6.30	27.80	34.10
			Small farmer	15	22	1.80	34.70	36.50
			Marginal farmer	218	55	7.60	214.50	222.10
			Landless person	109	109	--	-	-
			Sub-Total	149	186	15.70	277.00	292.70
		Titihariya	Large farmer	14	--	16.40	42.16	58.56
			Small farmer	15	17	5.10	28.10	33.20
			Marginal farmer	116	38	23.50	132.84	156.34
			Landless person	32	32	--	-	-
			Sub-Total	177	87		203.10	248.10
		Bhainsahi	Large farmer	3	--	4.40	17.70	22.10
			Small farmer	21	9	3.70	40.80	44.50
			Marginal farmer	60	19	10.70	99.65	110.35
			Landless person	5	5	--	-	-
			Sub-Total	89	33	18.80	158.15	176.95
		Hempur	Large farmer	28	--	12.10	108.80	120.90
			Small farmer	46	16	9.05	87.35	96.40
			Marginal farmer	167	50	16.45	316.05	332.50
			Landless person	9	9	--	-	-
			Sub-Total	250	75	37.60	512.20	549.80
		Piprahwa Joga Gaon	Large farmer	32	--	10.16	125.84	136.00
			Small farmer	13	109	9.45	56.50	65.95
			Marginal farmer	433	141	4.39	181.78	186.17
			Landless person	170	170	--	-	-
			Sub-Total	648	420	24.00	364.12	388.12
		Jamuni Kala	Large farmer	17	--	10.60	93.95	104.55
			Small farmer	36	27	6.05	75.40	81.45
			Marginal farmer	129	55	6.25	102.35	108.60
			Landless person	60	18	--		--

			Sub-Total	242	100	22.90	271.70	294.60
		Bairihwa	Large farmer	11	--	4.05	48.90	52.95
			Small farmer	12	10	2.85	26.85	29.70
			Marginal farmer	131	50	12.70	100.49	113.19
			Landless person	56	56	--	-	-
			Sub-Total	210	116	19.60	176.24	195.84
		Sonpur	Large farmer	6	--	3.18	24.10	27.28
			Small farmer	4	4	2.98	06.30	9.28
			Marginal farmer	29	15	6.54	36.10	42.64
			Landless person	12	12	--	-	-
			Sub-Total	51	31	12.70	66.50	79.20
			Grand Total			377.00	3294.39	3671.39

Table 3.7: Major Crops, their Productivity and Production

Due to mono cropping and non manageable condition of soil are the specific characteristics of the district. Mono cropping is the most common farming system. Mixed farming in the combination of agriculture and live stock is also quite common in the project area. Details of grown crops, their productivity and production are given below:

Name of MWS and Code 2B1D8e1a Ranipur

S.No	Crop.	Area (ha)		Productivity (q/ha)		Production (q)			
						Grain/Main product		Fodder/Fuel/other Product	
		Irrigated	Rain fed	Irrigated	Rain fed	Irrigated	Rain fed	Irrigated	Rain fed
A	Kharif								
1	Rice	21.00	296.00	28.00	16	588	4736	-	-
2	Maize	--	10.00	-	8		80	-	-
3	Arhar	0	45.00	-	6		270	-	-
4	Urd/Mung	0	0	-	0		0	-	-
5	vegetables (Crop wise)	7.9	0	150	0	1185	0	-	-
6	Fodder	12.3	15.1			0	0	-	-
..	Other, specify	0	0	0.00	0.00	0	0	-	-
B	Rabi					0	0	-	-
1	Wheat	12.40	215.00	25	14	310	3010	-	-
2	Barley	0	0	0.00	0	0	0	-	-
3	Masoor	23.1	-	6	4	138.6		-	-
4	Gram	0	0	0.00	0	0	0	-	-
5	Pea	12.5	0	6	0	75	0	-	-
6	Mustard	17.0	-	9	-	153		-	-
7	Potato	9.8	0	125	0.00	1225	0	-	-
8	vegetables (Crop wise)	0	0	0	0	0	0	-	-
9	Fodder	-					0	-	-

..	Other, specify	0	0	0.00	0.00	0	0	-	-
C	Zaid					0	0	-	-
	vegetables (Crop wise)	8.2	0	80.0	0	656	0	-	-
	Fodder/Maze	-	0		0		0	-	-
	Urd/Mung	0	0	0	0	0	0	-	-
	Sugarcane	8.60	0	410	0	3526	0	-	-
	Other, specify/Pipamint					588	4736	-	-

Name of MWS and Code 2B1D8e1b Bharatha Kala

S.No	Crop.	Area (ha)		Productivity (q/ha)		Production (q)			
		Irrigated	Rain fed	Irrigated	Rain fed	Grain/Main product		Fodder/Fuel/other Product	
						Irrigated	Rain fed	Irrigated	Rain fed
A	Kharif								
1	Rice	56.40	370.00	26	14	1466.4	5180	-	-
2	Maize	--	110.00		8	-	880	-	-
3	Arhar	0	40.50		8	0	324	-	-
4	Urd/Mung	0	0		6	0	0	-	-
5	vegetables (Crop wise)	6.10	0	85		518.5	0	-	-
6	Fodder	0	0			0	0	-	-
..	Other, specify	0	0			0	0	-	-
B	Rabi					-	0	-	-
1	Wheat	42.00	280.00	24	16	1008	4480	-	-

2	Barley	0	0			0	0		
3	Masoor	0	60.00		6	0	360	-	-
4	Gram	0	0			0	0	-	-
5	Pea	0	0			0	0	-	-
6	Mustard	12.00	100.00	9	5	108	500	-	-
7	Potato	22	0	90		1980	0	-	-
8	vegetables (Crop wise)	1.70	0			0	0	-	-
9	Fodder	0.60	0			0	0	-	-
..	Other, specify	0	0			0	0	-	-
C	Zaid					0	0	-	-
	vegetables (Crop wise)	11.00	0	150		1650	-	-	-
	Fodder	11.20	0	230		2576	0	-	-
	Urd/Mung	0	0			0	0	-	-
	Sugarcane	5.80	0	450		2610	0	-	-
								-	-

Name of MWS and Code: 2B1D8e2a Hempur

S.No	Crop.	Area (ha)		Productivity (q/ha)		Production (q)			
						Grain/Main product		Fodder/Fuel/other Product	
		Irrigated	Rain fed	Irrigated	Rain fed	Irrigated	Rain fed	Irrigated	Rain fed
A	Kharif								
1	Rice	97.50	750.00	30.00	18	2925	13500	-	-
2	Maize	--	40.00	-	8	-	320	-	-
3	Arhar	0	87.80	0.00	12	0	1053.6	-	-
4	Urd/Mung	0	0	0.00	0	0	0	-	-
5	vegetables (Crop wise)	2.70	0	150	0	405	0	-	-
6	Fodder	0	0	0	0	0	0	-	-
..	Other, specify	0	0	0.00	0.00	0	0	-	-
B	Rabi					-	-	-	-
1	Wheat	60.10	680.00	25.00	12	1502.5	8160	-	-
2	Barley	0	0	0.00	0	0	0	-	-
3	Masoor	0	50.00	0	6	0	300	-	-
4	Gram	0	0	0.00	0	0	0	-	-
5	Pea	0	0	0	0	0	0	-	-
6	Mustard	20.00	80.00	9	7	180	560	-	-
7	Potato	3.20	0	90	0.00	288	0	-	-
8	vegetables (Crop wise)	11.10	0	150	0	1665	0	-	-

9	Fodder	0	0		0	0	0	-	-
..	Other, specify	0	0	0.00	0.00	0	0	-	-
C	Zaid					0	0	-	-
	vegetables (Crop wise)	12.20	0	150	0	1830	-	-	-
	Fodder	3.10	0	90	0	279	0	-	-
	Urd/Mung	0	0	0	0	0	0	-	-
	Sugarcane	12.00	0	450	0	5400	0	-	-

Name of MWS and Code 2B1D8e3a Sankarpur

S.No	Crop.	Area (ha)		Productivity (q/ha)		Production (q)			
		Irrigated	Rain fed	Irrigated	Rain fed	Grain/Main product		Fodder/Fuel/other Product	
						Irrigated	Rain fed	Irrigated	Rain fed
A	Kharif								
1	Rice	58.60	300.0	25	16	1465	4800	-	-
2	Maize	--	70.00	-	8	-	560	-	-
3	Arhar	0	54.60	0.00	7	0	382.2	-	-
4	Urd/Mung	0	0	0.00	0	0	0	-	-
5	vegetables (Crop wise)	1.70	0	160	0	272	0	-	-

6	Fodder	0	0	0	0	0	0		
..	Other, specify	0	0	0.00	0.00	0	0	-	-
B	Rabi	60 424				-	0	-	-
1	Wheat	84.00	170.00	25.00	14	2100	2380	-	-
2	Barley	0	0	0.00	0	0	0	-	-
3	Masoor	0	65.00	0	7	0	455	-	-
4	Gram	0	0	0.00	0	0	0	-	-
5	Pea	0	0	0	0	0	0	-	-
6	Mustard	0	105.00	0	9	0	945	-	-
7	Potato	21.20	0	140	0.00	2968	0	-	-
8	vegetables (Crop wise)	1.10	0	85	0	93.5	0	-	-
9	Fodder	0	0	0	0	0	0	-	-
..	Other, specify	0	0	0.00	0.00	0	0	-	-
C	Zaid					0	0	-	-
	vegetables (Crop wise)	10.00	0	90	0	90	-	-	-
	Fodder	10.50	0	300	0	4500	0	-	-
	Urd/Mung	16	0	0	0	0	0	-	-
	Sugarcane	8.00	0	450	0	3600	0	-	-

Name of MWS and Code 2B1D8f1a Tendua Ratanpur

S.No	Crop.	Area (ha)		Productivity (q/ha)		Production (q)			
		Irrigated	Rain fed	Irrigated	Rain fed	Grain/Main product		Fodder/Fuel/other Product	
						Irrigated	Rain fed	Irrigated	Rain fed
A	Kharif								
1	Rice	38.00	280.00	30.00	17	1140	4760	-	-
2	Maize	--	80.00	-	8		640	-	-
3	Arhar	0	50.30	0.00	9	0	452.7	-	-
4	Urd/Mung	0	0	0.00	0	0	0	-	-
5	vegetables (Crop wise)	16.60	0	160	0	2656	0	-	-
6	Fodder	0	0	0	0	0	0	-	-
..	Other, specify	-	0	-	0.00		0	-	-
B	Rabi							-	-
1	Wheat	30.00	190.00	25.00	16	750	3040	-	-
2	Barley	0	0	0.00	0	0	0	-	-
3	Masoor	0	95.00	0	7	0	665	-	-
4	Gram	0	0	0.00	0	0	0	-	-
5	Pea	0	0	0	0	0	0	-	-
6	Mustard	0	90.00	0	8	0	720	-	-
7	Potato	21.20	0	145	0.00	3074	0	-	-
8	vegetables (Crop wise)	5.80	0	150	0	870	0	-	-

9	Fodder	3.60	0	250	0	900	0	-	-
..	Other, specify	0	0	0.00	0.00	0	0	-	-
C	Zaid					0	0	-	-
	vegetables (Crop wise)	11.40	0	200	0	2280		-	-
	Fodder				0	0	0	-	-
	Urd/Mung	0	0	0	0	0	0	-	-
	Sugarcane	31.00	0	400.	0	12400	0	-	-

Name of MWS and Code 2B1D8f1b Jamuni Kala

S.No	Crop.	Area (ha)		Productivity (q/ha)		Production (q)			
						Grain/Main product		Fodder/Fuel/other Product	
		Irrigated	Rain fed	Irrigated	Rain fed	Irrigated	Rain fed	Irrigated	Rain fed
A	Kharif								
1	Rice	39.00	270.60	30.00	18	1170	4870.8	-	-
2	Maize	--	60.00	-	6		360	-	-
3	Arhar	0	40.00	0.00	8	0	320	-	-
4	Urd/Mung	0	0	0.00	0	0	0	-	-
5	vegetables (Crop wise)	10.10	0	200-250	0		0	-	-
6	Fodder	0	0	0	0	0	0	-	-
..	Other, specify					0	0	-	-
B	Rabi					0	0	-	-
1	Wheat	34.00	160.00	25	18	850	2880	-	-
2	Barley	0	0	0.00	0	0	0	-	-
3	Masoor	0	90.00	0	9	0	810	-	-
4	Gram	0	0	0.00	0	0	0	-	-
5	Pea	0	0	0	0	0	0	-	-
6	Mustard	29	0	8		232	0	-	-
7	Potato	22.10	0	160	0.00	3536	0	-	-
8	vegetables (Crop wise)	21.40	0	160	0	3424	0	-	-

9	Fodder		0	-	0		0	-	-
..	Other, specify	0	0	0.00	0.00	0	0	-	-
C	Zaid					0	0	-	-
	vegetables (Crop wise)	22.40	0	160	0	3584		-	-
	Fodder		0		0	0	0	-	-
	Urd/Mung	0	0	0	0	0	0	-	-
	Sugarcane	14.30	0	380	0	5434	0	-	-

Name of MWS and Code 2B1D8g2b Bairehwa

S.No	Crop.	Area (ha)		Productivity (q/ha)		Production (q)			
		Irrigated	Rain fed	Irrigated	Rain fed	Grain/Main product		Fodder/Fuel/other Product	
						Irrigated	Rain fed	Irrigated	Rain fed
A	Kharif								
1	Rice	44.60	256.09	30.00	16	1338	4097.44	-	-
2	Maize	--	45.00	-	9		405	-	-
3	Arhar	0	35.00	0.00	6	0	210	-	-
4	Urd/Mung	0	0	0.00	0	0	0	-	-
5	vegetables (Crop wise)	11.70	0	200	0	2340	0	-	-
6	Fodder	0	0	0	0	0	0	-	-
..	Other, specify					0	0	-	-
B	Rabi					0	0	-	-
1	Wheat	40.00	215.00	25.00	18	1000	3870	-	-
2	Barley	0	0	0.00	0	0	0	-	-
3	Masoor	24		8	-	192		-	-
4	Gram	0	0	0.00	0	0	0	-	-
5	Pea	0	0	0	0	0	0	-	-
6	Mustard	38	0	9		342	0	-	-
7	Potato	32.70	0	160	0.00	5232	0	-	-

8	vegetables (Crop wise)	22.00	0	125	0	2750	0		
9	Fodder	0	0	0	0	0	0		
..	Other, specify	0	0	0.00	0.00	0	0		
C	Zaid					0	0		
	vegetables (Crop wise)	3.10	0	190	0	589			
	Fodder	2.10	0	250	0	525	0		
	Urd/Mung	0	0	0	0	0	0		
	Sugarcane	12.60	0	410	0	5166	0		

3.9 Horticulture Status

There is no systematic agro forestry and orchard in the project area, however scattered trees are found in the study area. The details are given below:

Table 3.8: Horticulture Status

S. N.	Name of micro watershed with code	Name of village	Name of Important horticultural crop						
			Whole Fruit Crop				Scattered Fruit Crop		
			Name	Area ha	Average productivity q/ha	Production q	No.	Productivity q/ha	Production q
1	2	3	4	5	6	7	8	9	10
	Ranipur Bhela 2B1D8e3a, Bharatha Kala 2B1D8e2a, Hempur 2B1D8e1a Shankarpur 2B1D8e1b Tendua Ratanpur 2B1D8f1a Jamuni Kala 2B1D8f1b Bairihawa 2B1D8g2b	Bharatha Kala	Mango	390	150	897	159	125	19875
		Ranipur Bhela	Mango	303		697	110		13750
		Chaube Purwa	Mango	45		103.5	45		5625
		Nand Nagar Bhela	Mango	30		69	23		2875
		Gholiya	--	0		--	--		0
		Shankarpur	Mango & Lamon	225		517.5	122		15250
		Tendua Ratanpur	Mango & Lamon	120		276	72		9000
		Titihariya	Mango & Guava	165		379.5	106		13250
		Bhainsahi	Mango	105		241.5	79		9875
		Hempur	Mango & Guava	345		793.5	107		13375
		Piprahwa Joga Gaon	Mango	307.5		707	102		12750
		Jamuni Kala	Mango	345		790	87		10875

		Bairihwa	Mango	180		441	89		55125
		Sonpur	Mango	105		242	39		4875

Table 3.9: Forest, Vegetative Cover/Grass Land

Project- IWMP III

District – Shravasti

S. No.	Name of micro watershed with code	Forest (Area ha)			Grass Land (Area ha)			Other vegetative cover (Area ha)	
		Reserve	Gram Samaj (Natural/Planted)	Total		Gram Samaj	Private	Gram Samaj	Private
1	3	4	5	6		7		8	9
	2BID8e3a Ranipur Bhela	-	-	-		3.30	-	0.75	3.60
	2BID8e2a Bharatha Kala	-	-	-		4.90	-	0.90	4.70
	2B1D8e1a Hempur	17.01	-	17.01		2.60	-	0.80	1.70
	2B1D8e1b Shankarpur	59.61	-	59.61		3.40	-	0.40	2.90
	2B1D8f1a Tendua Ratanpur	32.98	-	32.98		2.10	-	0.30	2.70
	2B1D8f1b Jamuni Kala	-	-	-		2.50	-	0.60	2.80
	2B1D8g2 b Bairihawa	-	-	-		3.05	-	0.78	3.30
	Total	109.60	-	109.60		20.85	-	4.53	21.70

Livestock Population

Desi cows , bufflows and Goats are mostly found in the project area. The details of livestock population are given below:

Table 3.10: Livestock Population in IWMP- III, Shravasti

S. No.	Name of Micro watershed with code.	Name of Village	Cow		Buffalo		Ox/Bull	Goat	Sheep	Pigger ies	Poultry		
			Desi	Cross ed	Desi	Mur rah					Broile r	Layers	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.	Ranipur Bhela 2B1D8e3a, Bharatha Kala 2B1D8e2a, Hempur 2B1D8e1a Shankarpur 2B1D8e1b Tendua Ratanpur 2B1D8f1a Jamuni Kala 2B1D8f1b Bairihawa 2B1D8g2b	Bharatha Kala	128	--	84	29	76/2	680	--	30	110	213	323
2.		Ranipur Bhela	43	--	38	48	60/2	218	--	12	--	28	28
3.		Chaube Purwa	28	--	26	95	40/1	50	--	--	--	32	32
4.		Nand Nagar Bhela	18	--	12	32	38/2	119	--	--	--	17	17
5.		Gholiya	--	--	--		--	--	--	--	--	--	--
6.		Shankerpur	128	--	69	26	36/1	168	--	15	--	35	35
7.		Tendua Ratanpur	153	--	82	46	39/2	208	--	16	48	104	152
8.		Titihariya	182	--	92	52	68/4	110	--	--	--	--	--
9.		Bhainsahi	122	--	71	24	46/2	132	--	--	--	--	--
10.		Hempur	213	--	116	85	104/3	270	--	21	112	428	540
11.		Piprahwa Joga Gaon	162	--	108	16	143/4	256	--	8	32	140	172
12.		Jamuni Kala	95	--	42	49	60/2	224	4	24	12	80	92
13.		Bairihwa	108	--	56	41	41/1	141	--	--	44	102	146
14.		Sonpur	48	--	22	35	14/1	44	--	--	22	46	68
		Total	1428		818			2620	4	126	380	1225	1605

Table 3.11: Details of Livestock Productivity

Project- IWMP III

District- Shravasti

S. N .	Name of Micro watershed with code.	Name of Village	Milk Production (Liter Per day)				Goatry	Poultry		Piggeries weight Kg/Pig
			Cows		Buffalos		Weight in Kg/goat	Broiler Weight in Kg/ Brl	Per layers No. of eggs/year	
			Desi	Crosse d	Desi	Murrah				
1	2	3	4	5	6	7	8	9	10	11
	Ranipur Bhela 2BID8e3a, Bharatha Kala 2BID8e2a, Hempur 2B1D8e1a Shankarpur 2B1D8e1b Tendua Ratanpur 2B1D8f1a Jamuni Kala 2B1D8f1b Bairihawa 2B1D8g2b	Bharatha Kala	160	-	200.3	149.7	8-14	1.25-1.50	125-160	15 to 25
		Ranipur Bhela	53.75	-	90.6	247.8	8-16		134-150	20 to 60
		Chaube Purwa	35	-	62.0	490.4	8-14		135-165	--
		Nand Nagar Bhela	22.5	-	28.6	165.2	9-18		140-175	--
		Gholiya	0	-	0.0	0.0	--			--
		Shankerpur	160	-	164.5	134.2	--		134-150	20-60
		Tendua Ratanpur	191.25	-	195.5	237.5	8-14		135-165	15 to 25
		Titihariya	227.5	-	219.3	268.4	7-20		-	--
		Bhainsahi	152.5	-	169.3	123.9	8-14		-	--
		Hempur	266.25	-	276.5	438.8	7-1		134-150	25 to 25
		Piprahwa Joga Gaon	202.5	-	257.5	82.6	8-14		135-165	20-45
		Jamuni Kala	118.75	-	100.1	252.9	9-20		140-175	15 to 25
		Bairihwa	135	-	133.5	211.6	8-14		125-160	--

		Sonpur	60	-	52.4	180.7	8-14	-	134-150	--
		Total	1785	0	1950.1	2983.7				

Table 3.12: Livelihood Status of Landless People
Project- IWMP III

District – Shravasti

S. N.	Name of Micro watershed with code.	Name of Village	Name of Liveliho od Activity	No. of house hold engaged					Pre project Average Income	Desired Activities	Expected Income from desired activities	Remark
				SC	ST	Other	Women	Total				
1		3	4	5	6	7	8	9	10	11	12	13
	Ranipur Bhela 2BID8e3a, Bharatha Kala 2BID8e2a, Hempur 2B1D8e1a Shankarpur 2B1D8e1b Tendua Ratanpur 2B1D8f1a Jamuni Kala 2B1D8f1b Bairihawa 2B1D8g2b	Bharatha Kala		10	-	21	2	31	18000.00 to 25000.00	Goat Keeping, Dairy, Animal Hus etc.	35000.00 to 50000.	
		Ranipur Bhela		18	-	91	12	109				
		Chaube Purwa		6	-	26	3	32				
		Nand Nagar Bhela		13	-	36	6	49				
		Gholiya		-	-	4	1	04				
		Shankerpur		1	-	5	-	6				
		Tendua Ratanpur		9	-	28	10	37				
		Titihariya		12	-	42	10	54				
		Bhainsahi		19	-	50	19	69				
		Hempur		-	-	7	2	07				
		Piprahwa Joga Gaon		16	139	119	26	274				
		Jamuni Kala		18	-	72	12	90				
		Bairihwa		2	-	18	5	20				
		Sonpur		4	-	26	9	30				
Total				136	139	591	131	866				

Table 3.13: Details of Livelihood Status Other Farmers
Project- IWMP III

District – Shravasti

S. N.	Name of Micro watershed with code.	Name of Village	Name of Livelihood Activity	No. of Persons engaged					Pre project Average Income	Desired Activities	Expected Income from desired activities	Remarks
				SC	ST	Other	Women	Total				
1	2	3	4	5	6	7	8	9	10	11	12	13
	Ranipur Bhela 2B1D8e3a, Bharatha Kala 2B1D8e2a, Hempur 2B1D8e1a Shankarpur 2B1D8e1b Tendua Ratanpur 2B1D8f1a Jamuni Kala 2B1D8f1b Bairihawa 2B1D8g2b	Bharatha Kala		35	-	53	68	156	15000-25000	Improvement in Agriculture and Poultry, Dairy, GM and Goatry	30000-55000	
		Ranipur Bhela		140	-	57	198	395				
		Chaube Purwa		180	-	90	172	442				
		Nand Nagar Bhela		105	-	116	185	406				
		Gholiya		44	-	150	104	298				
		Shankarpur		60	-	134	110	304				
		Tendua Ratanpur		104	-	198	210	512				
		Titihariya		41	-	162	98	301				
		Bhainsahi		110	-	120	116	346				
		Hempur		102	-	238	202	542				
		Piprahwa Joga Gaon		28	492	93	607	1220				
		Jamuni Kala		16	374	09	272	671				
		Bairihwa		84	-	104	129	317				
		Sonpur		38	-	32	72	142				
		Total		1296	866	1917	2925	7004				

Table No. 3.14: Present Livelihood Status (No. of households/Income per year)
Project- IWMP- III

Income in Rs.

S · N ·	Name of Micro watershed with code.	Name of Village	Activities																			
			Dairy		Poultry		Goatry		Piggeries		Fisheries		Blacksmith		Carpentry		Stitching/ knitting		Wages		Others (Specify)	
			No	Av. income	No	Av. income	No	Av. income	No	Av. income	No	Av. income	No	Av. income	No	Av. income	No	Av. income	No	Av. income	No	Av. income
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Ranipur Bhela 2BID8e3a, Bharatha Kala 2BID8e2a, Hempur 2B1D8e1a Shankarpur 2B1D8e1b Tendua Ratanpur 2B1D8f1a Jamuni Kala 2B1D8f1b Bairihawa 2B1D8g2b	Bharatha Kala	26	15000-25000	-	-	12	12000-18000	-	12000-25000	-	-	-	-	-	12000-20000	-	-	95	25000-40000	-	-
		Ranipur Bhela	35		2	28000	14		1		-	-	-	-	-		-	-	205		-	-
		Chaube Purwa	42		-	-	-		-		-	-	-	-	-		-	-	290		-	-
		Nand Nagar Bhela	16		-	-	13		-		-	-	-	-	-		-	-	180		-	-
		Gholiya	35		-	-	12		1		-	-	-	-	-		-	-	92		-	-
		Shankarpur	29		-	-	11		-		-	-	-	-	-		-	-	163		-	-
		Tendua Ratanpur	42		-	-	13		-		-	-	-	-	21		-	-	220		-	-
		Titihariya	16		2	28000	12		-		-	-	-	-	15		-	-	170		-	-
		Bhainsahi	27		-	-	16		-		-	-	-	-	16		-	-	150		-	-
		Hempur	31		-	-	12		21		-	-	-	-	18		-	-	140		-	-
		Piprahwa Joga Gaon	65		3	28000	-		50		-	-	-	-	90		-	-	417		-	-
		Jamuni Kala	42		-	-	8		-		-	-	-	-	22		-	-	290		-	-
		Bairihwa	96		-	-	5		-		-	-	-	-	26		-	-	178		-	-
		Sonpur	12		-	-	4		-		-	-	-	-	29		-	-	080		-	-

Table No.3.15: Irrigation Status

S.No.	Name & code MWS	Gross Cultivated Area				Net Cultivat. Area	Gross Irrigated Area				Net Irrigated Area	Rainfed Area
		Kharif	Rabi	Zaid	Total		Kharif	Rabi	Zaid	Total		
1	2	4	5	6	7	8	9	10	11	12	13	14
1	Bharatha Kala	405.00	330.00	14.00	749.00	416.00	65.30	45.50	3.10	93.90	45.30	402.48
2	.Ranipur Bhela	130.00	97.00	5.00	232.00	134.00	30.96	21.10	1.70	46.76	23.96	115.42
3	.Chaubepur	80.00	62.00	9.00	151.00	84.00	29.78	25.60	2.05	57.43	29.78	71.20
4	.Nand Nagar	62.00	44.00	7.00	115.00	65.00	20.26	18.30	1.90	40.46	20.26	54.90
5	.Bholiya	246.00	190.00	9.00	445.00	248.00	20.00	16.00	2.10	38.10	20.00	218.90
6	.Sankarpur	440.00	382.00	16.00	838.00	446.00	41.40	37.10	3.05	81.55	41.40	402.18
7	Tenduwa Ratanpur	293.00	245.00	11.00	549.00	297.00	15.70	13.80	1.59	31.09	15.70	277.00
8	Titirhiya	224.00	176.00	3.00	403.00	227.00	45.00	39.40	3.60	88.00	45.00	203.10
9	Bhainshai	169.00	138.00	4.00	311.00	171.00	18.80	15.70	2.55	37.05	18.80	158.15
10	Hempur	582.00	516.00	12.00	1110.00	585.00	37.60	34.00	3.15	74.75	37.60	512.20
11	Piprahuwa Joga	406.00	347.00	14.00	767.00	409.00	24.00	19.40	2.86	46.26	24.00	364.12
12	Jamuni Kala	294.00	264.00	10.00	568.00	300.00	22.90	19.30	1.90	44.10	22.90	271.70
13	Bairihuwa	216.00	190.00	6.00	412.00	220.00	19.60	16.20	1.75	37.55	19.60	176.24
14	Sonpur	67.00	57.00	3.00	127.00	69.39	12.70	8.60	0.80	22.10	12.70	66.50
	Total	3614.00	3038.00	123.00	6560.00	3671.39	377.00	328.00	32.00	737.00	377.00	3294.39

Table No.3.16: Source wise Area Irrigated

Project- IWMP III

District - Shravasti

Area in ha.

S. No.	Name of Micro watershed with code.	Name of Village	Canal Area	State Tube wells		Tanks		Open well		Bore wells		Lift irrigation		Others (Specify)		Total Irrigated Area	Remarks
				No.	Area	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	Ranipur Bhela 2B1D8e3a, Bharatha Kala 2B1D8e2a, Hempur 2B1D8e1a Shankarpur 2B1D8e1b Tendua Ratanpur 2B1D8f1a Jamuni Kala 2B1D8f1b Bairihawa 2B1D8g2b	Bharatha Kala	-	-	-	2	3	-	-	-	-	-	-	-	-	3	
		Ranipur Bhela	-	-	-	2	3	-	-	-	-	-	-	-	-	3	
		Chaube Purwa	-	-	-	3	4.5	-	-	-	-	-	-	-	-	4.5	
		Nand Nagar Bhela	-	-	-	2	3	-	-	-	-	-	-	-	-	3	
		Gholiya	-	-	-	3	4.5	-	-	-	-	-	-	-	-	4.5	
		Shankarpur	101.02	-	-	3	4.5	-	-	-	-	-	-	-	-	4.5	
		Tendua Ratanpur	-	-	-	2	3	-	-	-	-	-	-	-	-	3	
		Titihariya	-	-	-	2	3	-	-	-	-	-	-	-	-	3	
		Bhainsahi	-	-	-	1	1.5	-	-	-	-	-	-	-	-	1.5	
		Hempur	65.2	-	-	3	4.5	-	-	-	-	-	-	-	-	4.5	
		Piprahwa Joga Gaon	-	-	-	5	7.5	-	-	-	-	-	-	-	-	7.5	
		Jamuni Kala	-	-	-	1	1.5	-	-	-	-	-	-	-	-	1.5	
		Bairihwa	-	-	-	2	3	-	-	-	-	-	-	-	-	3	
		Sonpur															
	Total		178.22			35	55.5				158.31					377.00	

Table No.3.17: Ground Water Status
Project- IWMP III

S. No.	Name of Micro watershed with code.	Name of Village	Depth of Ground Water Table (Below Ground level) in Meter		No. of Observation well	Remarks
			Before Monsoon	After Monsoon		
1	2	3	4	5	6	7
	Ranipur Bhela 2BID8e3a, Bharatha Kala 2BID8e2a, Hempur 2B1D8e1a Shankarpur 2B1D8e1b Tendua Ratanpur 2B1D8f1a Jamuni Kala 2B1D8f1b Bairihawa 2B1D8g2b	Bharatha Kala	6.70	3.50	4	
		Ranipur Bhela	6.50	3.55	3	
		Chaube Purwa	6.90	4.00	2	
		Nand Nagar Bhela	6.85	3.90	3	
		Gholiya	-	-	-	-
		Shankarpur	6.80	3.50	4	
		Tendua Ratanpur	6.60	3.60	3	
		Titihariya	7.10	3.40	3	
		Bhainsahi	7.00	3.45	4	
		Hempur	6.30	3.50	2	
		Piprahwa Joga Gaon	6.70	3.40	3	
		Jamuni Kala	6.50	3.4	3	
		Bairihwa	6.6	3.30	2	
		Sonpur	6.50	3.40	2	

Table No.3.18: Details of infrastructure in the project areas*

Project- IWMP III (Ranipur Bhela)

District - Shravasti

S N	Name of Micro Watershed	Parameters		Status			
1	2	4		5			
	Ranipur Bhela 2B1D8e3a ,	(i)	Name of villages connected to the main road by an all-weather road	All Villages			
		(ii)	Village's Name provided with electricity	All Villages			
		(iii)	No. of households without access to drinking water	11			
		(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 1	(S) --	(HS) -	(VI) -
		(v)	Names of villages with access to Primary Health Centre	All Villages			
		(vi)	Names of villages with access to Veterinary Dispensary	All Villages			
		(vii)	Names of villages with access to Post Office	All Villages			
		(viii)	Names of villages with access to Banks	All Villages			
		(ix)	Names of villages with access to Markets/ mandi	All Villages			
		(x)	Names of villages with access to Agro-industries				
		(xi)	Total quantity of /deficit milk	220 lrt/day			
		(xii)	No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(PA) -	(O) Y
		(xiii)	Name of villages with access to Anganwadi Centre	All Villages			
		(xiv)	Any other facilities with names of villages (please specify)	---			
	Hempur 2B1D8e1a ,	(i)	Name of villages connected to the main road by an all-weather road	All Villages			
		(ii)	Village's Name provided with electricity	All Villages			
		(iii)	No. of households without access to drinking water	76			

		(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 1	(S) 1	(HS) -	(VI) -
		(v)	Names of villages with access to Primary Health Centre	All Villages			
		(vi)	Names of villages with access to Veterinary Dispensary	All Villages			
		(vii)	Names of villages with access to Post Office	All Villages			
		(viii)	Names of villages with access to Banks	All Villages			
		(ix)	Names of villages with access to Markets/ mandi	All Villages			
		(x)	Names of villages with access to Agro-industries	-			
		(xi)	Total quantity of milk Deficit	335 Ltr/day			
		(xii)	No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) 2	(S) 1	(PA) 5	(O) Yes
		(xiii)	Name of villages with access to Anganwadi Centre	All Villages			
		(xiv)	Any other facilities with names of villages (please specify)	---			
	Bharatha Kala 2BID8e2a, ,	(i)	Name of villages connected to the main road by an all-weather road	All Villages			
		(ii)	Village's Name provided with electricity	All Villages			
		(iii)	No. of households without access to drinking water	65			
		(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 1	(S) 1	(HS) -	(VI) -
		(v)	Names of villages with access to Primary Health Centre	Yes (Bharatha Kala)			
		(vi)	Names of villages with access to Veterinary Dispensary	All Villages			
		(vii)	Names of villages with access to Post Office	All Villages			
		(viii)	Names of villages with access to Banks	All Villages			
		(ix)	Names of villages with access to Markets/ mandi	All Villages			

		(x)	Names of villages with access to Agro-industries	-			
		(xi)	Total quantity of milk Deficit	290 Ltr/day			
		(xii)	No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(PA) 12	(O) Yes
		(xiii)	Name of villages with access to Anganwadi Centre	All Villages			
		(xiv)	Any other facilities with names of villages (please specify)	---			
	Shankarpur 2B1D8e1b	(i)	Name of villages connected to the main road by an all-weather road	All Villages			
		(ii)	Village's Name provided with electricity	All Villages			
		(iii)	No. of households without access to drinking water	60			
		(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 1	(S) 1	(HS) -	(VI) -
		(v)	Names of villages with access to Primary Health Centre	All Villages			
		(vi)	Names of villages with access to Veterinary Dispensary	All Villages			
		(vii)	Names of villages with access to Post Office	All Villages			
		(viii)	Names of villages with access to Banks	All Villages			
		(ix)	Names of villages with access to Markets/ mandi	All Villages			
		(x)	Names of villages with access to Agro-industries	3 Floor Mills and 1 Polisher			
		(xi)	Total quantity of milk Deficit	265 Ltr/day			
		(xii)	No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(PA) 14	(O) Yes
		(xiii)	Name of villages with access to Anganwadi Centre	2			
		(xiv)	Any other facilities with names of villages (please specify)	---			
	Tendua Ratanpur 2B1D8f1a	(i)	Name of villages connected to the main road by an all-weather road	All Villages			
		(ii)	Village's Name provided with electricity	All Villages			

		(iii)	No. of households without access to drinking water	42			
		(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 2	(S) 1	(HS) -	(VI) -
		(v)	Names of villages with access to Primary Health Centre	All Villages			
		(vi)	Names of villages with access to Veterinary Dispensary	All Villages			
		(vii)	Names of villages with access to Post Office	All Villages			
		(viii)	Names of villages with access to Banks	All Villages			
		(ix)	Names of villages with access to Markets/ mandi	All Villages			
		(x)	Names of villages with access to Agro-industries	-			
		(xi)	Total quantity of milk Deficit	220 Ltr/day			
		(xii)	No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(PA) 8	(O) Yes
		(xiii)	Name of villages with access to Anganwadi Centre	2			
		(xiv)	Any other facilities with names of villages (please specify)	---			
	Jamuni Kala 2B1D8f1b	(i)	Name of villages connected to the main road by an all-weather road	All Villages			
		(ii)	Village's Name provided with electricity	All Villages			
		(iii)	No. of households without access to drinking water	180			
		(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 1	(S) 1	(HS) -	(VI) -
		(v)	Names of villages with access to Primary Health Centre	All Villages			
		(vi)	Names of villages with access to Veterinary Dispensary	All Villages			
		(vii)	Names of villages with access to Post Office	All Villages			
		(viii)	Names of villages with access to Banks	All Villages			

		(ix)	Names of villages with access to Markets/ mandi	All Villages			
		(x)	Names of villages with access to Agro-industries	2 Floor Mills and 1 Polisher			
		(xi)	Total quantity of milk Deficit	160 Ltr/day			
		(xii)	No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(PA) -	(O) Yes
		(xiii)	Name of villages with access to Anganwadi Centre	2			
		(xiv)	Any other facilities with names of villages (please specify)	---			
	Bairihawa 2B1D8g2b	(i)	Name of villages connected to the main road by an all-weather road	All Villages			
		(ii)	Village's Name provided with electricity	All Villages			
		(iii)	No. of households without access to drinking water	185			
		(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 1	(S) 1	(HS) -	(VI) -
		(v)	Names of villages with access to Primary Health Centre	All Villages			
		(vi)	Names of villages with access to Veterinary Dispensary	All Villages			
		(vii)	Names of villages with access to Post Office	All Villages			
		(viii)	Names of villages with access to Banks	All Villages			
		(ix)	Names of villages with access to Markets/ mandi	All Villages			
		(x)	Names of villages with access to Agro-industries	-			
		(xi)	Total quantity of milk Deficit	160 Ltr/day			
		(xii)	No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(PA) 5	(O) Yes
		(xiii)	Name of villages with access to Anganwadi Centre	2			
		(xiv)	Any other facilities with names of villages (please specify)	---			

Table No.3.19: DETAILS OF COMMON PROPERTY RESOURCES IN THE PROJECT AREA
Project- IWMP III **District- Shravasti**

1	2	4	5				6			
S. No.	Names of MWS with code	CPR Particulars	Total Area (ha) Area owned/ In possession of				Area available for treatment (ha)			
			Pvt. persons	Govt. (Specify deptt.)	PRI	Any other (Pl. Specify)	Pvt. persons	Govt. (specify deptt.)	PRI	Any other (Pl. Specify)
	Ranipur Bhela 2BID8e3a, Bharatha Kala 2BID8e2a, Hempur 2B1D8e1a Shankarpur 2B1D8e1b Tendua Ratanpur 2B1D8f1a Jamuni Kala 2B1D8f1b Bairihawa 2B1D8g2b	(i) Wasteland/ degraded land	205.61	94.50	-	-	178.00	80.00	---	---
		(ii) Pastures	-	3.14	-	-	-	3.14	-	-
		(iii) Orchards	14.22	-	-	-	-	-	-	-
		(iv) Village Woodlot	4.00	-	-	-	-	-	-	-
		(v) Forest	-	--		--	--	--	--	--
		(vi) Village Ponds/ Tanks	2.70	11.60	-	-	-	-	-	-
		(vii) Community Buildings	-	24.50	-	-	-	0.60	-	-
		(viii) Weekly Markets	-	-	-	-	-	-	-	-
		(ix) Permanent markets	2.90	-	-	-	-	-	-	-
		(x) Temples/ Places of worship	2.40	11.10	-	-	-	-	-	-
		(xi) Others (Pl. specify)	-	-	-	-	-	-	-	-
Total			231.83	144.84	--	--	178.00	83.74	--	--

For more Detail Can See the Project File

The Photograph of training of village- Bairihawa



The Photograph of training of village- Shankarpur



CHAPTER - 4

INSTITUTION BUILDING & PROJECT MANAGEMENT

4.1 Project Implementing Agency: The Project Implementing Agency (PIA) for IWMP-III, Shravasti is Bhoomi Sanrakshan Adhikari Unit, Land Development and Water Resources Department, District Shravasti, Uttar Pradesh. The project implementing agency was selected by State Level Nodal Agency (SLNA) for Integrated Watershed Management Program (IWMP) in Shravasti district. The PIA was given responsibility to develop the micro-watershed by Watershed cell cum Data Unit (WCDC) and State Level Nodal Agency (SLNA) considering its vast experiences in handling land and water management issues in the region. The PIA has well experienced trained and sufficient staff to handle the watershed management programme efficiently.

Table 4.1: Details of Project Implementing Agency (PIA)
Project- IWMP III **District - Shravasti,**

S. No.	Particulars of PIA	
1	2	3
(i)	Date of selection of PIA	Year 2010
(ii)	Type of organization#	Line Department
(iii)	Name of organization	Land Development & Water Resources
(iv)	Designation & Address	Bhoomi Sanrakshan Adhikari
(v)	Telephone	05250222337
(vi)	Fax	05250222337
(vii)	E-mail	bsaldwrsv-up@nic.in

Table 4.2: Details of Staff at PIA

S. NO.	Designation	Name	M/F	Qualification	Field of Experience & Period	Remarks
1	2	3		4	5	6
1	Bhoomi Sanrakshan Adhikari I/O	Sri M.A. Khan	M	Diploma in Engineering	32 Year	
1	Junior Engineer	Sri R.B. Yadav	M	Diploma in Engineering	20 Years	
2	Junior Engineer	Sri S.J.Verma.	M	Diploma in Engineering	30 Year	
3	Accountant	Sri R.P. Shukla	M	M.Com.	32 Years	
4	Tracer	Sri S.P. Mishra	M	Intermediate	32 Years	
5	Senior Clerk	Sri R.P. Ravat	M	B.A.	32 Years	
6	Junior Clerk	Sri Abdul Tawwab	M	Intermediate	32 Years	
7	Junior Clerk	Sri V.K. Shrivastwa	M	M.A.	32 Years	
8	Junior Clerk	Sri R.K. Shrivastwa	M	B.A.	32 Years	
9	A.S.C.I.	Sri B.K. Gautam	M	B.Sc.(Ag)	09 Year	
10	A.S.C.I.	Sri Vinay Kumar	M	M.Sc.(Ag), Ph.D.	08 Year	
11	A.S.C.I.	Sri J.R. Sharma	M	Diploma(Ag.)	32 Year	
12	Seench Paryavekhak	Sri R.K. Shrivastwa	M	B.A.	32 Year	
13	Munshi	Sri B.D. Gupta	M	Intermediate	32 Year	
14	Seenchpal	Sri Ram Narayan	M	High School	30 Year	
15	Seenchpal	Sri Ran Kumar	M	Intermediate	29 Year	
16	Seenchpal	Sri Shyan Avadh	M	Intermediate	34 Year	
17	Fourth Class	Sri Sambhu Mauriya	M	High School	28 Year	
18	Fourth Class	Sri Jagdeesh	M	High School	28 Year	
19	Fourth Class	Sri Basant Lal	M	High School	30 Year	
20	Fourth Class	Sri Bans Raj Yadav	M	Literate	31 Year	
21	Fourth Class	Sri Ram Prasad	M	Intermediate	03 Year	
22	Fourth Class	Sri Rameshwar Prasad	M	High School	32 Year	

Note:- Details of all the persons working in BSA Unit is to be incorporated

The Watershed Development Team (WDT): It is an integral part of the PIA. WDT will assist gram Sabha in a) constitution of Watershed Committee and its functioning, b) organize and strengthening User groups, Self Help Groups, c) conducting participatory baseline survey, d) training and Capacity Building, e) preparing detailed resource development plan including Soil & Water Conservation, f) undertake engineering surveys, g) prepare engineering drawings and cost estimate for structure to be built.

Table 4.3: Details of Watershed Development Team (WDT) in the project area
Project- IWMP - III PIA- BSA, LDWR,

1	2	3	4	5	6	7	8
S. N.	Name of WDT member	M/F	Age	Qualification / Experience	Description of professional training	Role/ Function##	Date of appointment of WDT member
1	Sri R.B. Yadev	M	55 Year	Diploma in Agri Engineering/ 20 Years	LDWR	J.E.	1992
2	Sri. B K. Gautam	M	37 Year	B.Sc. (Ag.)/ 9 Year	LDWR	A.S.C.I	2004
3	Sri C.S. Tripathi	M	28 Year	M.A. (Socio)	LDWR	W.D.T.	2011
4	Sri Shashi Kant Tiwari	M	31 Year	B.Sc. (Ag)	LDWR	W.D.T.	2011
5	Sri Mangal Singh	M	25 Year	B.Sc. (Ag)	LDWR	W.D.T.	2011
6	Sri Mussaraf Ali	M	27 Year	Diploma in Agri Engineering	LDWR	W.D.T.	2011
7	Sri S.K.Singh	M	23 Year	B.Sc. (Ag)	LDWR	W.D.T.	2011
8	Sri Jeetendra K. Sriv.	M	28 Year	M.A. (Socio)	LDWR	W.D.T.	2011

4.2 Watershed Committees:

Watershed committees are formed in all villages. Each committee would consist of at least of 10 members. Their representation will be as under:

- Minimum of 50% members from SHGs and UGs, SCs, women and landless
- One member from Watershed Development Team, especially women member (subject matter specialist in Social Science).

Watershed Committee would nominate one of their members as Watershed Secretary to perform the following duties:

1. Convening meetings of Watershed Committee, Gram Sabha.
2. Maintaining all records and proceedings of the meetings.
3. Follow up action on all decisions taken in the meetings.
4. Ensuring people's participation.

Watershed Secretary will be imparted training in maintaining the accounts as well other activities related to Project.

Table 4.4: Details of Watershed Committee (WC)

Name of Project:- IWMP -III

S.N.	Name of Project	Name of WC	Name of president	Name of Sectory
1	2	3	4	5
1	IWMP - III	Bharatha Kala	Sri Chinku	Sri Moinuddin
2		Ranipur Bhela	Sri Keshav Ram	Sri Rajenendra Prasad
3		Bairihwa	Sri Avdhesh Kumar Mishra	Sri Iqubal Husain
4		Jamuni Kala	Sri Girjesh Kumar Singh	Smt. Nisha Singh
5		Shankerpur	Sri Rajesh Yadav	Smt. Manju
6		Tendua Ratanpur	Sri Surendra Kumar Shukla	Sri Suresh Kumar
7		Titihariya	Sri Prince Pratap Singh	Sri Shiv Kumar
8		Hempur	Smt. Bitti	Sri Shiv Prasad
9		Piprahwa Joga Gaon	Sri Veerendra Kumar Pathak	Sri Hemant Kumar

4.3: Formation of Self Help Groups:

The formation of SHGs in all watershed villages is underway. It is proposed to form at least 2 SHGs in each village. Each SHG will consist of 12 to 15 members. The members would be mainly from landless, SCs and women, small and marginal farmers. Few groups exclusively of unemployed youth have also been identified. These groups will be homogeneous having common goal for increasing their income by establishing micro enterprise. Under the Project, each SHGs would be given a revolving fund of Rs.20000/25000 each after 6 months from the date of formation (subject to qualifying the 1st grading and meeting the laid down norms). After having discussions with the village community The SHGs may opt any of the Income Generating Activities from the list given below.

1. Bakery Products 2. Soap & Detergent making 3. Cutting and Tailoring 4. Embroidery 5. Fisheries 6. Mushroom cultivation 7. Household wiring, Motor winding 8. Plumbing 9. Carpentry 10. Bee keeping 11. Pickles, sauces, jam, jelly etc. 12. Two wheelers repairing 13. Animal husbandry 14. Backyard poultry 15. Vermi compost

However, decision for adopting Economic Activities would rest with respective SHGs. Accordingly; these SHGs would be imparted trainings in the IGAs they opt for. Preliminary survey reveals reasonable potentials for the above mentioned Economic Activities and these could prove to be beneficial to poor people residing in selected Watershed villages.

Table 4.5, Details of Formation of Self Help Groups_ IWMP-III

S. N .	Name of village	Name of group	Date of constitution	Name of President	Name of Secretary	Total No. of Members				Name of Bank and Address	Account No. & Date	Up to date Saving Rs.	Group activities
						Women	Sc/	Other	Total				
							St						
1	3	4		5	6	7	8	9	10	11	12		13
	Ranipur Bhela	Maa Durga		Ram Naresh	Hanuman	-	-	12	12	NA	NA	20	NA
		Prabhu Nath		Kandhai Lal	Nand Ram	-	-	12	12			20	
		Bhabhuti Nath		Daulat Ram	Sahaj Ram	-	12	-	12			20	
		Gautam Budha		Shiv Kumar	Rajit Ram	-	-	12	12			20	
		Mahabeer		Jahoor	Barsati	-	-	12	12			20	
		Gayatri		Rauf	Idreesh	-	-	12	12			20	
		Shankar		Rajesh	Antu	-	-	12	12			20	
		Ganpati		Barkau	Puttan	-	-	12	12			20	
	Bharatha Kala	Noori Mahila		Samasulnisha	Fatima	12	-	-	12			20	
		Kadari		Mh. Safi	Nijamuddin	-	-	12	12			20	
		Raza		Murad Ali	Vasi Badar	-	-	12	12			20	
		Fatima		Alauddin	Goli	-	-	12	12			20	
		Gazi		Sabbir	Fatrulla	-	-	12	12			20	
		Khwaja		Sultan Raza	Ali Sar	-	-	12	12			20	
		Warsi		Faqruddin	Chotkau	-	-	12	12			20	
		Laxmi		Santoshi	Tilak Ram	-	1	11	12			20	
		Janta		Samser Ali	Ali Murtaja	-	-	12	12			20	
		Bharat		Amir Ali	Abdul Jabbar	-	-	12	12			20	
		Chand		Samim	Bute	-	-	12	12			20	
		Gulshan		Nasuruddin	Mustaque	-	-	12	12			20	
		Jai Hind		Manohar	Amirika	-	-	12	12			20	
		Jannat		Subrati	Vakila	-	-	12	12			20	
		Rizavi		Ros Ali	Hawaldar	-	-	12	12			20	

		Puja		Jagat Ram	Bhujji	-	1	11	12			20	
	Bairihwa	Bairihwa		Munsarif Ahmad	Khalil Ahmad	-	-	12	12			20	
		S.C.Bose		Janki Pd.	Mohle	-	-	12	12			20	
		SHRAVASTI Mahila		Durgawati	Noor Jahan	-	12	-	12			20	
		Sri Krishna		Harish Shukla	Neebar	-	2	10	12			20	
		Sri Ram		Ram Pratap	Jeevan Lal	-	-	12	12			20	
		Mahatma Gandhi		Rangi Lal	Baba Deen	--	-	12	12			20	
		Islamiya		Khalil Ahmad	Karamat Ali			12	12			20	
		Sardar Patel		J. P. Maurya	Molhe Maurya	-	-	12	12			20	
	Jamuni Kala	Mahabeer		Jaswant	Rohit	-	6	6	12			20	
		Bhagwan Budha		Ram Dhiraj	Pramod	-	6	7	13			20	
		Pashupati Nath		Dinesh Verma	Ram Suhawan	-	-	12	12			20	
		Jai Maa Durge		Meera Singh	Anil Yadav	2	-	10	12			20	
		Jai Maa Ambe		Ram Prasad	Gayatri Devi	2		10	12			20	
		Jai Maa Gaytri		Radhe Shyam	Madhuri	2		10	12			20	
		Jai Maa Saraswati		Jai Prakash	Suresh		2	10	12			20	
		Jai Maa Kali		Yashoda Chand	Malik Ram		-	12	12			20	
		Bibhuti Nath		Santosh Kumar	Renu Singh		2	10	12			20	
		S.C.Bosh		Rajendra Sarma	Prinka Singh	2	-	10	12			20	
		Sri Krishna		Amit Sen	Sushma Sharma	3	-	9	12			20	
		Nirmal Baba		Narendra Mishra	Suresh Mishra	-	-	12	12			20	
	Titihariy a	Chitrance		Jitendra Kumar	Ram Gopal	-	-	12	12			25	
		Sati		Nankana	Shanti Devi	-	12	-	12			25	
		Shankar		Bhola Nath	Krishna	12	-	12	12			25	

		Gurudev	Ramrup	Atwari Lal	-	8	-	8			20	
		Jai Bheem	Jawahar Lal	Sajjan Prasad	-	8	-	8			20	
		Maharani	Mahesh Prasad	Jheengur Prasad	-	8	-	8			20	
		Bajrang Bali	Rakesh Ram	Jai Ram	-	-	8	8			20	
		Laxman	Tilak Ram	Mewalal	-	-	8	8			20	
		Bharat	Daya Ram	Amirka Prasad	-	5	3	8			20	
		Arjun	Ram Vrisksha	Baburam	-	5	3	8			20	
	Tendua Ratanpur	Prabhu Nath	Pankaj Kumar	Nand Kishore	-	-	12	12			30	
		Bhagwan Ram	Guru Prasad Sahu	Mathura Prasad	-	4	8	12			25	
		Babasahab	Devi Dayal	Ramfaran	-	7	5	12			25	
		Rani Laxmi Bai	Vidya Ram Verma	Jwala Prasad	-	5	3	8			20	
		Buddhu	Siya Ram	Shushila	1	7	-	8			20	
		Azad	Tiwari Verma	Avdesh	-	-	8	8			20	
	Hempur	Maa Durga	Vijay Bahadur	Ram Dularey	-	12	-	12			25	
		Veer Abdul	Nakched Ali	Pravej Ali	-	-	12	12			25	
		Raghunath	Ashok Kumar	Nidhi	-	-	12	12			25	
		Ram Lakhan	Shiv Nath	Deena	-	-	8	8			20	
		Lav Kush	Ram Murti	Baburam	-	8	-	8			20	
		Somenath	Raj Kumar	Tirath Ram	-	-	8	8			20	
		Mahadev	Krishna Kumar	Shiv Kumar	-	8	-	8			20	
		Sbhagwan Krishna	Shiv Prasad	Gobrey	-	8	-	8			20	
		Bhole Shankar	Vinod Kumar	Omkar Nath	-	-	8	8			20	
		Gautam	Raghav Ram	Rajit Ram	-	-	8	8			20	
		Amarnath	Raj Kumar	Sanjay	-	-	8	8			20	
	Piprahwa Joga Gaon	Vibhuti Nath	Ayodhya Prasad	Munna	-	12	-	12			25	
		Guru	Geduram	Shalik Ram	-	12	-	12			25	
		Sati	Ashni	Guldi	12	12	-	12			25	
		Matasati	Gagni	Jugmani	8	8	-	8			20	
		Mahakaal	Jugbahadur	Chillu	-	8	-	8			20	

		Kashi	Pradesh	Dhasrath	-	8	-	8			20	
		Vishwanath	Arjun	Sanjay	-	8	-	8			20	
		Vindhyachal	Prem Kumar	Santosh Kumar	-	8	-	8			20	
		Devi Ratan	Meena	Sumar	8	8	-	8			20	
		Naina Devi	Heeri	Maya	8	8	-	8			20	
		Dropti	Dropti	Gahni	8	8	-	8			20	
		Maya Janki	Chandi	Janki	8	8	-	8			20	
		Mangli	Kiran	Geeta	8	8	-	8			20	
		Manokamna	Kusuma Kumari	Bhudhi	8	8	-	8			20	
		Kali Mata	Mahesha	Soni	8	8	-	8			20	
		Shanti	Kamini	Khuiri	8	8	-	8			20	
		Shani	Anarkali	Sunila	8	8	-	8			20	
		Geeta	Mangli	Astunni	8	8	-	8			20	
		Chandra Shekhar	Susheel	Ram Narayan	-	8	-	8			20	
		Mangal Pandey	Malik Ram	Bhaggan	-	8	-	8			20	

4.4 User groups:

The members of User groups would be those persons who would directly derive benefits from Watershed Activities. Resource use agreements are being worked out. The User groups will be responsible for the operation and maintenance of all the assets created under the Project. Formation of User groups is under process in all the villages covered under the Project. The members of User Groups would be imparted training by PIA for effectively managing the assets created.

Table 4.6: Details of User Groups

S.No.	Name of Micro watershed with code	Names of villages	Total no. of UGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formation of UGs
			Men	Women	Both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
	Ranipur Bhela 2B1D8e3a,	Bairihawa	2	-		2	(i) Landless	-	-	-	-	-	-	-	-	-	
							(ii) SF	8	-	8	-	-	-	-	-	-	
							(iii) MF	4		4	2	-	2	2	-	2	
	Bharatha Kala 2B1D8e2a,						(iv) LF										
	Hempur 2B1D8e1a																
	Shankarpur 2B1D8e1b																
	Tendua Ratan 2B1D8f1a							-	-	-	-	-	-	-	-	-	
	Jamuni 2B1D8f1b																
	Bairihawa 2B1D8g2b																
	Total		2	-		2		12		12	2	-	2	2	-	2	

Table No.4.7: Details of Formation of User Groups (UGs)

S. N	Name of micro watershed	Name of village	Name of group	Date of constitution	Name of Adhyaksh	Name of Sachiv/ Treasurer	Total No. of Members				Name of Bank and Address	Account No. & Date	Up to date Saving	Group Activites	Stat us of User Agr eement
							Wome n	Sc/ St	Oth er	Total					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Bairihawa 2B1D8g2b	Bairihawa	Anna	12.5.11	Babadin	Mohle	-	1	6	7	Allahabad Bank Sirsiya			Agri,& Labour	
	Bairihawa 2B1D8g2b	Bairihawa	Parshuram	12.5.11	Janki Pd.	Jeevan Lal	-	1	4	5	Allahabad Bank Sirsiya			Agri,& Labour	
					Total		-	2	10	12					

Table 4.8: List of Central/State sponsored schemes

S.No.	Name of Programme	Implementing Agency	Objectives of the Programme
1.	Seed Distribution Programme (Pulse Development & ISOPAM)	U.P. Agriculture Deptt.	To increase seed replacement ratio for higher productivity
2.	Pump set Distribution (Food Security Mission)	Agriculture Deptt.	To Provide irrigation facilities
3.	Training Programme	Agriculture Deptt.	To increase Capacity building of the farmers
4.	HDPE pipe	Agriculture Deptt.	-
5.	National Horticulture Mission (NHM)	Horticulture Deptt.	To Increase fruits & vegetable production
6.	Sanitation Programme	Gram Vikash	To make hygienic condition in the rural areas
7.	Mid Day Meal	Gram Panchayat (DSO)	To provide education to school children without hunger
8.	MGNERGA (Bunding, Farm Pond, Adarsh Jalashay, Blast well, Chakroad, etc.)	Gram Panchayat	To provide work to all village personnel under the Rojgar Guarantee Yojana
9.	ATMA	U.P. Ag. Deptt.	Horizontal spread of improved technologies
10.	Dept. of Animal Husbandry	U.P. Animal Husbandry	To improve the productivity of livestock

CHAPTER – 5

MANAGEMENT / ACTION PLAN

5.1: ENTRY POINT ACTIVITY (EPA)

EPA activities are taken up under watershed projects to newly build or repair the already existing structures with the consultation of village community at the beginning of the project; generally, certain important works which are in urgent demand of the local community are taken up. A group Discussion was conducted with watershed Development Committee regarding the EPA activity, it was conveyed to the WC that an amount of 19.68 Lakhs was allotted for EPA activity, which was 4 per cent of total allocated budget. The villagers discussed various activities which they felt is important but after a brief discussion it was conveyed to them that only those activities can be taken, which revive the common natural resources. It was also taken into priority that there should be an instrument of convergence which will result in sustainability of activities.

In total 103 EPA activities were executed in the project area with a budget of Rs. 19.68 Lakhs. Photographs of Entry Point Activities done in the project are given below:

PHOTOGRAPHS OF EPA WORK IN HEMPUR



PHOTOGRAPHS OF EPA WORK IN BARTHA KALAN



Table 5.1: Entry point activities (EPA)

<u>Details of EPA Work</u>						
S.N.	Name of Project	Name of WC	Alloted Fund	Work againsed EPA		
				Well Repairing	Shokpit	Kishan Vikash manch
1	2	3	4	5	6	7
1	IWMP-III	Bharatha Kala	1.68	2	8	0
2		Ranipur Bhela	1.32	2	5	0
3		Bairihwa	2.58	3	14	0
4		Jamuni Kala	2.94	3	16	0
5		Shankerpur	1.68	2	9	0
6		Tendua Ratanpur	1.56	2	6	0
7		Titihariya	1.80	2	10	0
8		Piprahwa Joga Gaon	1.56	3	7	0
9		Hempur	1.68	2	7	2
Total			19.68	21	82	0

5.2 Details of Livelihood Activities in the project area

During discussions with the village communities by our Livelihood experts, several activities were discussed with them. The main objectives of these discussions were:

- Assure one livelihood option to poor families
- Assured livelihood for at least 300 days in a year
- At least one daily job per family SCs/BPL/ very poor families.

Form SHGs would be imparted skill training on identified Economic Activities and it is proposed to impart them trainings. It is proposed to lend revolving fund of Rs. 25000/- to each SHG/individuals formed in the watershed villages. Since the members from SHGs/landless are very poor, they do not have resources to start micro enterprises. It is envisaged that they should be assisted and given loan of this amount in the shape of Revolving Fund Assistance (RFA) so that they do not get trapped by money lenders. Funds thus given on loan are recoverable from SHGs/individuals in easy installments. It is also proposed to impart skill training to at least 10 unemployed youth from each village and give them trainings of their choice so that they establish some small enterprises. It is further proposed to give them interest free loan of Rs. 12000/- each as Revolving Fund Assistance (RFA) to meet their urgent needs of funds for establishing micro enterprises. Such funds recovered could either be back to SHGs/ individuals so some other SHGs/ individuals depending upon assessment of their respective needs. It is proposed to form 2 SHGs in each village and identify at least 10 youths in each village for imparting training and giving Revolving Fund.

Activities that is likely to be taken up by SHGs/ individuals

Table 5.2: LIVELIHOOD

YEARWISE FINANCIAL BREAK UP OF LIVELIHOOD ACTIVITIES IWMP-III, DISTRICT-SHRAVASTI								
				Area in ha.		Amount in Lacs		
S. No.	MWS Code	Project Area	Proposed Amount	Livelihood Activities 9% of the Total project Cost				
				2010-11	2011-12	2012-13	2013-14	TOTAL
1	2B1D8e1a	268	2.8944	0.3216	0.8040	0.8040	0.9648	2.8944
2	2B1D8e1b	545	5.8860	0.6540	1.6350	1.6350	1.9620	5.8860
3	2B1D8e2a	1024	11.0592	1.2288	3.0720	3.0720	3.6864	11.0592
4	2B1D8e3a	474	5.1192	0.5688	1.4220	1.4220	1.7064	5.1192
5	2B1D8f1a	439	4.7412	0.5268	1.3170	1.3170	1.5804	4.7412
6	2B1D8f1b	387	4.1796	0.4644	1.1610	1.1610	1.3932	4.1796
7	2B1D8g2b	363	3.9204	0.4356	1.0890	1.0890	1.3068	3.9204
Total		3500	37.80	4.20	10.50	10.50	12.60	37.80

Table No.5.3: Annual Action Plan (AAP) For Seed Money Distribution to SHGs/Individuals and Grant-in-aid Under Livelihood Component of IWMP-III, District-Shravasti Year : 2011-12

S. No.	MWS Code	Project Area in ha.	Proposed Amount	Details of Seed Money Distribution (Amount in Lacs)					Grant-in aid	Total
				Total Amount	Seed Money for SHGs	Nos. of SHGs for Seed Money	Seed Money For Individuals	Nos. of Individuals		
1	2B1D8e1a	268	0.320	0.220	0.200	1	0.020	1	0.100	0.320
2	2B1D8e1b	545	0.650	0.460	0.410	2	0.050	1	0.190	0.650
3	2B1D8e2a	1024	1.230	0.860	0.770	3	0.090	1	0.370	1.230
4	2B1D8e3a	474	0.570	0.400	0.360	2	0.040	1	0.170	0.570
5	2B1D8f1a	439	0.530	0.370	0.330	2	0.040	1	0.160	0.530
6	2B1D8f1b	387	0.460	0.320	0.290	2	0.030	1	0.140	0.460
7	2B1D8g2b	363	0.440	0.310	0.280	2	0.030	1	0.130	0.440
TOTAL		3500	0.570	1.54	1.38	14	0.16	7	0.66	2.2

Table No.5.3.2:Annual Action Plan (AAP) For Seed Money Distribution to SHGs/Individuals and Grant-in-aid Under Livelihood Component of IWMP-III, District-Shravasti Year : 2012-13

S. No.	MWS Code	Project Area in ha.	Proposed Amount	Details of Seed Money Distribution (Amount in Lacs)					Grant-in aid	Total
				Total Amount	Seed Money for SHGs	Nos. of SHGs for Seed Money	Seed Money For Individuals	Nos. of Individuals		
1	2B1D8e1a	268	0.8040	0.560	0.500	2	0.060	1	0.244	0.804
2	2B1D8e1b	545	1.6350	1.140	1.030	5	0.110	2	0.495	1.635
3	2B1D8e2a	1024	3.0720	2.150	1.940	8	0.210	3	0.922	3.072
4	2B1D8e3a	474	1.4220	1.000	0.900	4	0.100	1	0.422	1.422
5	2B1D8f1a	439	1.3170	0.920	0.830	4	0.090	1	0.397	1.317
6	2B1D8f1b	387	1.1610	0.810	0.730	3	0.080	1	0.351	1.161
7	2B1D8g2b	363	1.0890	0.760	0.680	3	0.080	1	0.329	1.089
Total		3500	10.5000	7.340	6.610	29	0.730	10	3.1600	10.500

Table No.5.3.3: Annual Action Plan (AAP) For Seed Money Distribution to SHGs/Individuals and Grant-in-aid Under Livelihood Component of IWMP-III, District-Shravasti Year : 2013-14

S. No.	MWS Code	Project Area in ha.	Proposed Amount	Details of Seed Money Distribution (Amount in Lacs)					Grant-in aid	Total
				Total Amount	Seed Money for SHGs	Nos. of SHGs for Seed Money	Seed Money For Individuals	Nos. of Individuals		
1	2B1D8e1a	268	0.804	0.560	0.500	2	0.060	1	0.244	0.804
2	2B1D8e1b	545	1.635	1.140	1.030	5	0.110	2	0.495	1.635
3	2B1D8e2a	1024	3.072	2.150	1.940	8	0.210	3	0.922	3.072
4	2B1D8e3a	474	1.422	1.000	0.900	4	0.100	1	0.422	1.422
5	2B1D8f1a	439	1.317	0.920	0.830	4	0.090	1	0.397	1.317
6	2B1D8f1b	387	1.161	0.810	0.730	3	0.080	1	0.351	1.161
7	2B1D8g2b	363	1.089	0.760	0.680	3	0.080	1	0.329	1.089
Total		3500	10.5	7.340	6.610	29	0.730	10	3.16	10.5

Table No.5.3.4: Annual Action Plan (AAP) For Seed Money Distribution to SHGs/Individuals and Grant-in-aid Under Livelihood Component of IWMP-III, District-Shravasti Year : 2014-15

S. No.	MWS Code	Project Area in ha.	Proposed Amount	Details of Seed Money Distribution (Amount in Lacs)					Grant-in aid	Total
				Total Amount	Seed Money for SHGs	Nos. of SHGs for Seed Money	Seed Money For Individuals	Nos. of Individuals		
1	2B1D8e1a	268	0.9648	0.6800	0.610	3	0.0700	1	0.2848	0.9648
2	2B1D8e1b	545	1.9620	1.3700	1.230	5	0.1400	2	0.5920	1.9620
3	2B1D8e2a	1024	3.6864	2.5800	2.320	6	0.2600	3	1.1064	3.6864
4	2B1D8e3a	474	1.7064	1.1900	1.070	5	0.1200	2	0.5164	1.7064
5	2B1D8f1a	439	1.5804	1.1100	1.000	4	0.1100	2	0.4704	1.5804
6	2B1D8f1b	387	1.3932	0.9800	0.880	4	0.1000	1	0.4132	1.3932
7	2B1D8g2b	363	1.3068	0.9100	0.820	4	0.0900	1	0.3968	1.3068
Total		3500	12.6000	8.8200	7.930	31	0.8900	12	3.7800	12.6000

Table No.5.3.5: Annual Action Plan (AAP) At a Glance For Seed Money Distribution to SHGs/Individuals and Grant-in-aid Under Livelihood Component of IWMP-III, District-Shravasti

S. No.	MWS Code	Project Area in ha.	Proposed Amount	Details of Seed Money Distribution (Amount in Lacs)					Grant-in aid	Total
				Total Amount	Seed Money for SHGs	Nos. of SHGs for Seed Money	Seed Money For Individuals	Nos. of Individuals		
1	2B1D8e1a	268	2.893	2.02	1.81	8	0.21	3	0.87	2.8928
2	2B1D8e1b	545	5.882	4.11	3.70	15	0.41	5	1.77	5.8820
3	2B1D8e2a	1024	11.060	7.74	6.97	68	0.77	8	3.32	11.0604
4	2B1D8e3a	474	5.120	3.59	3.23	13	0.36	4	1.53	5.1204
5	2B1D8f1a	439	4.744	3.32	2.99	12	0.33	4	1.42	4.7444
6	2B1D8f1b	387	4.175	2.92	2.63	11	0.29	3	1.26	4.1752
7	2B1D8g2b	363	3.925	2.74	2.46	10	0.28	3	1.18	3.9248
Total		3500	37.8	26.44	23.79	137	2.65	30	11.36	37.8

Table No.5.4: Details of Details of Production System & Micro-Enterprises activities:

Type	Crop Demonstration Details	
Rabi Season	Wheat	Sorghum
	1. Variety K 8027 , NW-1012, 1076, HDR-77, Raj -107 2. Sowing Time: 15 November to 25 December 3- Seed rate – 100 -125 Kg/ hectare 4- Requirement of fertilizers / ha N- 125 Kg , P- 70 -75 Kg, K-70-75 Kg 5. FYM: 60 Ou. 6. Flowering Period: 80 to 85 days. 7. Crop Duration: 120-145 days. 8. Harvesting time : April to May 9. Yield: Irrigated: 50-60 Q/ha Un-irrigated: 30-35 Q/ha Note- Hence demonstration cost of wheat /ha is Rs 13000.00 and the Total cost increases @ 10 % for next year	1. Variety: CSH-16, 9, 14, CSB-13, 15 2. Requirement of Seed /ha - 15 kg 3. Sowing Time - 15 th July to 15 th August 4. Requirement of fertilizers/ha N- 60.0 Kg , P- 40.00Kg, K- 40.00 Kg 5. Fertilizers requirement / ha N- 80.0 Kg , P- 50Kg, K- 40 Kg FYM: 50q 6. Flowering Period: 80-85 days. 7. Crop Duration: 120 to 130 days. 8. Harvesting time : 25 September to 5 October 9. Yield: Grain: 18-20 q/ha Dry Fodder: 200-250q/ha Note- Hence demonstration cost of SORGHUM /ha is Rs 6500.00 and the Total cost increases @ 10 % for next year.
Kharif Season	Arahar	Maize
	1. Variety -Long Durtion: Malviya -13 NA -1, NA-2 Short Duration: UPAS-120, ICPL-151, 8801 2- Seed rate /ha – 20 Kg 3. Sowing Time: June-July 4- Fertilizers requirement / ha N- 20.0 Kg , P- 50Kg, K- 40 Kg 4. FYM: 50 Q 5. Flowering Period: Long Duration:160 to 175 days. Short Duration: 110-120 days 6. Crop Duration: Long Duration: 270-280 days. Short Duration: 130-140 days 7. Harvesting time : Long Duration: March To April, Short Duration: November to December 8. Yield : Long Duration: 18-20 Q/ha Short Duration: 20-25 Q/ha Note- Hence demonstration cost of Arahar /ha is Rs 10000.00 and the Total cost increases @ 10 % for next year.	1. Variety: Hybrid: Ganga-2, 11, Shaktiman, Dakkan-7, Prakash, Sartaj 2. Sankul: Tarun, Naveen, Kanchan, Sweta, Prabhat, Gaurav 3. Requirement of Seed /ha - 15 kg I 3. Sowing Time - 15 th July to 15 th August 4. Requirement of fertilizers / ha N- 60.0 Kg , P- 40.00Kg, K- 40.00 Kg 5. Fertilizers requirement / ha N- 80.0 Kg , P- 50Kg, K- 40 Kg FYM: 50 Q 6. Flowering Period: 80-85 days. 7. Crop Duration: 120 to 130 days. 8. Harvesting time : 25 September to 5 October 9. Yield: Grain: 18-20 Q/ha Dry Fodder: 200-250 Q/ha Note- Hence demonstration cost of SORGHUM /ha is Rs 6500.00 and the Total cost cost increases @ 10 % for next year.
	Seed Distribution	Distribution of high yield verity seed of Arhar, Wheat and maize, etc.

	Animal Husbandry	Organize of health camp animals, and feed for animals.
	Agriculture Toolkit	Distribution of agriculture toolkit to the individual.

The above action plan has been prepared according to the need and resources available in the project area. Individual activity fund distribution has been made the details would be given beneficiary wise in the project file. Demonstration of crop, animal husbandry camp distribution of sheed and plantation of fruit trees are the essential requirement of the project area. Therefore the above plan has been constituted according to the aforesaid activity and the funds were allocated as per the norms.

Table No.5.5: Year-wise bifurcation of capacity building activities IWMP-II, Shravasti,

Annual Action Plan of I & CB 2010-11							
S. No.	Level	Number of persons to be trained	Nos. Of Trainings	Days	Preson days	Rate/person/day	Amount
1	SLNA	10	2	2	40	0.01	0.4
2	WCDC	10	1	2	20	0.0075	0.15
3	PIA	55	2	3	330	0.005	1.65
4	WDT	17	2	2	68	0.005	0.34
5	WC	116	1	2	232	0.005	1.16
6	UGs	80	2	2	320	0.003	0.96
7	SHGs	700	2	2	2800	0.00325	9.1
8	others	500	1	1	500	0.002	1
	Total :	1488	13	-	4310	-	14.7600

Annual Action Plan of I & CB 2011-12							
S. No.	Level	Number of persons to be trained	Nos. Of Trainings	Days	Preson days	Rate/person/day	Amount
1	SLNA	5	2	3	30	0.01	0.3
2	WCDC	8	1	2	16	0.0075	0.12
3	PIA	45	2	3	270	0.005	1.35
4	WDT	8	2	3	48	0.005	0.24
5	WC	15	1	2	30	0.005	0.15
6	UGs	81	1	1	81	0.0025	0.2025
7	SHGs	110	1	2	220	0.00325	0.715
8	others	300	1	1	300	0.002	0.6
	Total :	572	11	-	995	-	3.6775

Annual Action Plan of I & CB 2012-13							
S. No.	Level	Number of persons to be trained	Nos. Of Trainings	Days	Preson days	Rate/person/day	Amount
1	SLNA	5	2	3	30	0.01	0.3
2	WCDC	8	1	2	16	0.0075	0.12
3	PIA	45	2	3	270	0.005	1.35
4	WDT	8	2	3	48	0.005	0.24
5	WC	15	1	2	30	0.005	0.15
6	UGs	81	1	1	81	0.0025	0.2025
7	SHGs	110	1	2	220	0.00325	0.715
8	others	300	1	1	300	0.002	0.6
	Total :	572	11	-	995	-	3.6775

Annual Action Plan of I & CB 2013-14							
S. No.	Level	Number of persons to be trained	Nos. Of Trainings	Days	Preson days	Rate/person/day	Amount
1	SLNA	3	2	3	18	0.01	0.18
2	WCDC	3	1	2	6	0.0075	0.045
3	PIA	15	2	3	90	0.005	0.45
4	WDT	5	2	3	30	0.005	0.15
5	WC	15	1	2	30	0.005	0.15
6	UGs	50	1	1	50	0.003	0.15
7	SHGs	110	1	2	220	0.00325	0.715
8	others	250	1	1	250	0.0025	0.625
	Total :	451	11	-	694	-	2.4650

Table No. 5.6: List of identified training institutes for capacity building

Sr. No.	Name of the Training Institute	Full Address with contact no, website & e-mail	Designation of the Head of Institute	Type of Institute	Area(s) of specialization	No. of training assigned	No. of persons to be trained	Allocation to be made to the institute
1	2	3	4	5	6	7	8	9
1	Deen Dayal Upadhya State Ruler Development Training Center,	<i>D.U.S.R.D.T. Center</i> Bakshi ka Talab, Lucknow Contact- 0521-2298291 Mob. 9336726781	Dr. Vardani, Join Director	Govt. Institute	Soil & Watershed Management, Agriculture, Horticulture, Production System, Livelihood, Animal Husbandry etc			
2	Deputy Director (Administrative) Land & Water Management Center (Walmi)	<i>Walmi Utterethiya, lucknow</i> <i>Cont.- 0522-2440309</i> <i>Mob. 9044461661</i>	Dr. O.P. Duvey, Professor/ Nodal Officer	Govt. Institute				
3	Principal of Regional Ruler Development Center	<i>Principal R.R.D. Center Char Gaun, Gorakhpur</i> <i>Cont. 0551- 2298291</i> <i>Mob. 9336726781</i>	Dr. Vardani, Join Director	Govt. Institute				
4	UP Land Development & Water Resources training Center	<i>UPLDWR Training Center Beli Kala, Lucknow</i> <i>Cont. 0522-2238425</i> <i>Mob 9415778898</i>	Sri. K.K. Rastogi, Deputy Director	Govt. Institute				
5	ND. University of Agriculture & Technology	<i>KVK Bahraich</i>	Dr. U.S. Yadav	Govt. Institute				

Table No. 5.7: Financial break up of Watershed Development Work

Name of GP	2010-11				2011-12				2012-13				2013-14				Grand Total			
	LD	WHS	SMC	Total	LD	WHS	SMC	Total	LD	WHS	SMC	Total	LD	WHS	SMC	Total	LD	WHS	SMC	Total
Bharta Kalan	0.27	0.90	2.16	3.33	0.58	1.96	4.72	7.26	0.57	1.92	4.62	7.1	0.57	1.94	4.66	7.17	1.99	6.71	16.16	24.86
Hempur	0.39	1.32	3.17	4.88	0.85	2.87	6.91	10.63	0.83	2.81	6.77	10.41	0.84	2.84	6.83	10.5	2.91	9.83	23.67	36.42
Ranipur Bhela	0.18	0.62	1.49	2.29	0.40	1.34	3.24	4.98	0.39	1.32	3.17	4.88	0.39	1.33	3.20	4.92	1.37	4.61	11.10	17.07
Gholiya-II	0.18	0.60	1.44	2.21	0.38	1.30	3.13	4.81	0.38	1.27	3.06	4.7	0.38	1.28	3.09	4.75	1.32	4.45	10.71	16.47
Jamuni Kala	0.23	0.77	1.86	2.86	0.50	1.68	4.06	6.24	0.49	1.65	3.97	6.11	0.49	1.66	4.00	6.16	1.71	5.77	13.89	21.37
Sankarpur	0.34	1.13	2.72	4.19	0.73	2.46	5.93	9.12	0.71	2.41	5.80	8.93	0.72	2.43	5.86	9.01	2.50	8.44	20.31	31.25
Tendua Ratanpur	0.22	0.74	1.78	2.74	0.48	1.61	3.87	5.96	0.47	1.58	3.80	5.84	0.47	1.59	3.83	5.89	1.63	5.52	13.28	20.43
Titihariya	0.28	0.94	2.26	3.48	0.61	2.05	4.93	7.59	0.59	2.01	4.83	7.43	0.60	2.03	4.88	7.5	2.08	7.02	16.90	26.00
Piprahwa Jogaon	0.27	0.90	2.16	3.33	0.58	1.96	4.72	7.26	0.57	1.92	4.62	7.1	0.57	1.94	4.66	7.17	1.99	6.71	16.16	24.86
Bairihawa	0.18	0.60	1.44	2.21	0.38	1.30	3.13	4.81	0.38	1.27	3.06	4.7	0.38	1.28	3.09	4.75	1.32	4.45	10.71	16.47
	2.52	8.51	20.49	31.5	5.49	18.54	44.64	68.67	5.38	18.14	43.68	67.20	5.43	18.31	44.08	67.83	18.82	63.50	152.89	235.20

CHAPTER -6

PHASING OF PROGRAMME AND BUDGETING

6.1 MICRO-WATERSHED WISE FINANCIAL BREAK-UP

FINANCIAL BREAKUP OF VARIOUS COMPONENT IN TERMS OF % OF IWMP-III, DISTRICT-SHRAVASTI														
S. No.	CODE OF MICROWATERSHED	Project Area	Sanctioned Amount	Administrative 10%	EPA 4%	Institution and CB 5%	DPR 1%	Watershed development work 56%	Livelihood for assetless 9%	Production system and Microenterprise s 10%	Amount in Lacs			
											Monitoring 1%	Evaluation 1%	Consolidation 3%	Total 100%
1	2B1D8e3a	492	59.04	5.90	2.36	2.95	0.59	33.06	5.31	5.90	0.59	0.59	1.77	59.04
2	2B1D8e2a	1002	120.24	12.02	4.81	6.01	1.20	67.33	10.82	12.02	1.20	1.20	3.61	120.24
3	2B1D8e1a	319	38.28	3.83	1.53	1.91	0.38	21.44	3.45	3.83	0.38	0.38	1.15	38.28
4	2B1D8e1b	533	63.96	6.40	2.56	3.20	0.64	35.82	5.76	6.40	0.64	0.64	1.92	63.96
5	2B1D8f1a	374	44.88	4.49	1.80	2.24	0.45	25.13	4.04	4.49	0.45	0.45	1.35	44.88
6	2B1D8f1b	401	48.12	4.81	1.92	2.41	0.48	26.95	4.33	4.81	0.48	0.48	1.44	48.12
7	2B1D8g2b	379	45.48	4.55	1.82	2.27	0.45	25.47	4.09	4.55	0.45	0.45	1.36	45.48
	TOTAL	3500	420.00	42.00	16.80	21.00	4.20	235.20	37.80	42.00	4.20	4.20	12.60	420.00

YEARWISE FINANCIAL BREAK UP OF INST. & CAP. BULDG. PROGRAMME OF IWMP-III, DISTRICT-SHRAVASTI								
							Amount in Lacs	
S. No.	CODE OF MICROWATERSHED	Project Area	Proposed Amount	Institutional & Capacity Building 5% of the Total Project Cost				
				2009-10	2010-11	2011-12	212-13	Total
1	2B1D8e3a	492	2.95	1.77	0.44	0.44	0.30	2.95
2	2B1D8e2a	1002	6.01	3.61	0.90	0.90	0.60	6.01
3	2B1D8e1a	319	1.91	1.15	0.29	0.29	0.19	1.91
4	2B1D8e1b	533	3.20	1.92	0.48	0.48	0.32	3.20
5	2B1D8f1a	374	2.24	1.35	0.34	0.34	0.22	2.24
6	2B1D8f1b	401	2.41	1.44	0.36	0.36	0.24	2.41
7	2B1D8g2b	379	2.27	1.36	0.34	0.34	0.23	2.27
	Total	3500	21	12.6	3.15	3.15	2.1	21

YEARWISE PHYSICAL AND FINANCIAL BREAK UP OF WORK COMPONENT OF IWMP-III, DISTRICT-SHRAVASTI													
												Amount in Lacs	
Watershed Development Works 56% of Project Cost												Phy. in ha.	
S. No.	CODE OF MICROWATERSHED	Project Area	Sanctioned Amount	2009-10		2010-11		2011-12		2012-13		TOTAL	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy (ha.)	Fin.
1	2BID8e3a	492	33.06	65.88	4.43	143.66	9.65	140.56	9.45	141.89	9.53	492.00	33.06
2	2BID8e2a	1002	67.33	134.17	9.02	292.58	19.66	286.27	19.24	288.98	19.42	1002.00	67.33
3	2B1D8e1a	319	21.44	42.71	2.87	93.15	6.26	91.14	6.12	92.00	6.18	319.00	21.44
4	2B1D8e1b	533	35.82	71.37	4.80	155.64	10.46	152.28	10.23	153.72	10.33	533.00	35.82
5	2B1D8f1a	374	25.13	50.08	3.37	109.21	7.34	106.85	7.18	107.86	7.25	374.00	25.13
6	2B1D8f1b	401	26.95	53.69	3.61	117.09	7.87	114.57	7.70	115.65	7.77	401.00	26.95
7	2B1D8g2b	379	25.47	50.75	3.41	110.67	7.44	108.28	7.28	109.30	7.35	379.00	25.47
	Total	3500	235.2	468.65	31.5	1022	68.67	999.95	67.2	1009.4	67.83	3500	235.2

YEARWISE FINANCIAL BREAK UP OF LIVELIHOOD ACTIVITIES IWMP-III, DISTRICT-SHRAVASTI								
							Amount in Lacs	
S. No.	CODE OF MICROWATERSHED	Project Area	Proposed Amount	Livelihood 9% of the Project Cost				
				2010-11	2011-12	2012-13	2013-14	TOTAL
1	2B1D8e3a	492	5.31	0.59	1.48	1.48	1.77	5.31
2	2B1D8e2a	1002	10.82	1.20	3.01	3.01	3.61	10.82
3	2B1D8e1a	319	3.45	0.38	0.96	0.96	1.15	3.45
4	2B1D8e1b	533	5.76	0.64	1.60	1.60	1.92	5.76
5	2B1D8f1a	374	4.04	0.45	1.12	1.12	1.35	4.04
6	2B1D8f1b	401	4.33	0.48	1.20	1.20	1.44	4.33
7	2B1D8g2b	379	4.09	0.45	1.14	1.14	1.36	4.09
	Total	3500	37.8	4.2	10.5	10.5	12.6	37.8

YEARWISE FINANCIAL BREAK UP OF PRODUCTION & MICRO ENTERPRISES OF IWMP-III, DISTRICT-SHRAVASTI								
							Amount in Lacs	
S. No.	CODE OF MICROWATERSHED	Project Area	Proposed Amount	Production System & Mocre-enterprises 10% of the Project Cost				
				2010-11	2011-12	2012-13	2013-14	Total
1	2B1D8e3a	492	5.90	0.59	1.48	1.48	2.36	5.90
2	2B1D8e2a	1002	12.02	1.20	3.01	3.01	4.81	12.02
3	2B1D8e1a	319	3.83	0.38	0.96	0.96	1.53	3.83
4	2B1D8e1b	533	6.40	0.64	1.60	1.60	2.56	6.40
5	2B1D8f1a	374	4.49	0.45	1.12	1.12	1.80	4.49
6	2B1D8f1b	401	4.81	0.48	1.20	1.20	1.92	4.81
7	2B1D8g2b	379	4.55	0.45	1.14	1.14	1.82	4.55
	Total	3500	42	4.2	10.5	10.5	16.8	42

PROJECTWISE/YEARWISE FINANCIAL BREAK UP OF WORK COMPONENT OF IWMP-III, DISTRICT-SHRAVASTI								
								Amount in Lacs
S. No.	CODE OF MICROWATERSHED	Project Area	Proposed Amount	Work Component 56% of Project Cost				
				2010-11	2011-12	2012-13	2013-14	Total
1	2B1D8e3a	492	33.06	4.43	9.65	9.45	9.53	33.06
2	2B1D8e2a	1002	67.33	9.02	19.66	19.24	19.42	67.33
3	2B1D8e1a	319	21.44	2.87	6.26	6.12	6.18	21.44
4	2B1D8e1b	533	35.82	4.80	10.46	10.23	10.33	35.82
5	2B1D8f1a	374	25.13	3.37	7.34	7.18	7.25	25.13
6	2B1D8f1b	401	26.95	3.61	7.87	7.70	7.77	26.95
7	2B1D8g2b	379	25.47	3.41	7.44	7.28	7.35	25.47
	Total	3500	235.2	31.5	68.67	67.2	67.83	235.2

6.2 GRAM PANCHAYAT WISE FINANCIAL BREAK-UP

FINANCIAL BREAKUP OF VARIOUS COMPONENT IN TERMS OF % OF IWMP-III, DISTRICT-SHRAVASTI														
S. No.	Name of GP	Project Area	Sanctioned Amount	Administrative 10%	EPA 4%	Institution and CB 5%	DPR 1%	Watershed development work 56%	Livelihood for assetless 9%	Production system and Microenterprises 10%	Amount in Lacs			
											Monitoring 1%	Evaluation 1%	Consolidation 3%	Total 100%
1	Bharta Kalan	370	44.40	4.44	1.78	2.22	0.44	24.86	4.00	4.44	0.44	0.44	1.33	44.40
2	Hempur	542	65.04	6.50	2.60	3.25	0.65	36.42	5.85	6.50	0.65	0.65	1.95	65.04
3	Ranipur Bhela	254	30.48	3.05	1.22	1.52	0.30	17.07	2.74	3.05	0.30	0.30	0.91	30.48
4	Gholiya-II	245	29.40	2.94	1.18	1.47	0.29	16.46	2.65	2.94	0.29	0.29	0.88	29.40
5	Jamuni Kala	318	38.16	3.82	1.53	1.91	0.38	21.37	3.43	3.82	0.38	0.38	1.14	38.16
6	Sankarpur	465	55.80	5.58	2.23	2.79	0.56	31.25	5.02	5.58	0.56	0.56	1.67	55.80
7	Tendua Ratanpur	304	36.48	3.65	1.46	1.82	0.36	20.43	3.28	3.65	0.36	0.36	1.09	36.48
8	Titihariya	387	46.44	4.64	1.86	2.32	0.46	26.01	4.18	4.64	0.46	0.46	1.39	46.44
9	Piprahwa Jogaon	370	44.40	4.44	1.78	2.22	0.44	24.86	4.00	4.44	0.44	0.44	1.33	44.40
10	Bairihawa	245	29.40	2.94	1.18	1.47	0.29	16.46	2.65	2.94	0.29	0.29	0.88	29.40
	TOTAL	3500	420.00	42.00	16.80	21.00	4.20	235.20	37.80	42.00	4.20	4.20	12.60	420.00

YEARWISE FINANCIAL BREAK UP OF INST. & CAP. BULDG. PROGRAMME OF IWMP-III, DISTRICT-SHRAVASTI								
							Amount in Lacs	
S. No.	Name of GP	Project Area	Proposed Amount	Institutional & Capacity Building 5% of the Total Project Cost				
				2010-11	2011-12	2012-13	2013-14	Total
1	Bharta Kalan	370	2.22	1.33	0.33	0.33	0.22	2.22
2	Hempur	542	3.25	1.95	0.49	0.49	0.33	3.25
3	Ranipur Bhela	254	1.52	0.91	0.23	0.23	0.15	1.52
4	Gholiya-II	245	1.47	0.88	0.22	0.22	0.15	1.47
5	Jamuni Kala	318	1.91	1.14	0.29	0.29	0.19	1.91
6	Sankarpur	465	2.79	1.67	0.42	0.42	0.28	2.79
7	Tendua Ratanpur	304	1.82	1.09	0.27	0.27	0.18	1.82
8	Titihariya	387	2.32	1.39	0.35	0.35	0.23	2.32
9	Piprahwa Jogaon	370	2.22	1.33	0.33	0.33	0.22	2.22
10	Bairihawa	245	1.47	0.88	0.22	0.22	0.15	1.47
	Total	3500	21.00	12.60	3.15	3.15	2.10	21.00

YEARWISE PHYSICAL AND FINANCIAL BREAK UP OF WORK COMPONENT OF IWMP-III, DISTRICT-SHRAVASTI													
												Amount in Lacs	
Watershed Development Works 56% of Project Cost												Phy. in ha.	
S. No.	Name of GP	Project Area	Sanctioned Amount	2010-11		2011-12		2012-13		2013-14		TOTAL	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy (ha.)	Fin.
1	Bharta Kalan	370	24.86	49.54	3.33	108.04	7.26	105.71	7.10	106.71	7.17	370.00	24.86
2	Hempur	542	36.42	72.57	4.88	158.26	10.63	154.85	10.41	156.31	10.50	542.00	36.42
3	Ranipur Bhela	254	17.07	34.01	2.29	74.17	4.98	72.57	4.88	73.25	4.92	254.00	17.07
4	Gholiya-II	245	16.46	32.81	2.21	71.54	4.81	70.00	4.70	70.66	4.75	245.00	16.46
5	Jamuni Kala	318	21.37	42.58	2.86	92.86	6.24	90.85	6.11	91.71	6.16	318.00	21.37
6	Sankarpur	465	31.25	62.26	4.19	135.78	9.12	132.85	8.93	134.11	9.01	465.00	31.25
7	Tendua Ratanpur	304	20.43	40.71	2.74	88.77	5.96	86.85	5.84	87.67	5.89	304.00	20.43
8	Titihariya	387	26.01	51.82	3.48	113.00	7.59	110.57	7.43	111.61	7.50	387.00	26.01
9	Piprahwa Jogaon	370	24.86	49.54	3.33	108.04	7.26	105.71	7.10	106.71	7.17	370.00	24.86
10	Bairihawa	245	16.46	32.81	2.21	71.54	4.81	70.00	4.70	70.66	4.75	245.00	16.46
	Total	3500	235.20	468.65	31.50	1022.00	68.67	999.95	67.20	1009.40	67.83	3500.00	235.20

YEARWISE FINANCIAL BREAK UP OF LIVELIHOOD ACTIVITIES IWMP-III, DISTRICT-SHRAVASTI								
							Amount in Lacs	
S. No.	Name of GP	Project Area	Proposed Amount	Livelihood 9% of the Project Cost				
				2010-11	2011-12	2012-13	2013-14	TOTAL
1	Bharta Kalan	370	4.00	0.44	1.11	1.11	1.33	4.00
2	Hempur	542	5.85	0.65	1.63	1.63	1.95	5.85
3	Ranipur Bhela	254	2.74	0.30	0.76	0.76	0.91	2.74
4	Gholiya-II	245	2.65	0.29	0.74	0.74	0.88	2.65
5	Jamuni Kala	318	3.43	0.38	0.95	0.95	1.14	3.43
6	Sankarpur	465	5.02	0.56	1.40	1.40	1.67	5.02
7	Tendua Ratanpur	304	3.28	0.36	0.91	0.91	1.09	3.28
8	Titihariya	387	4.18	0.46	1.16	1.16	1.39	4.18
9	Piprahwa Jogaon	370	4.00	0.44	1.11	1.11	1.33	4.00
10	Bairihawa	245	2.65	0.29	0.74	0.74	0.88	2.65
	Total	3500	37.80	4.20	10.50	10.50	12.60	37.80

YEARWISE FINANCIAL BREAK UP OF PRODUCTION & MICRO ENTERPRISES OF IWMP-III, DISTRICT-SHRAVASTI								
							Amount in Lacs	
S. No.	Name of GP	Project Area	Proposed Amount	Production System & Mocro-enterprises 10% of the Project Cost				
				2010-11	2011-12	2012-13	2013-14	Total
1	Bharta Kalan	370	4.44	0.44	1.11	1.11	1.78	4.44
2	Hempur	542	6.50	0.65	1.63	1.63	2.60	6.50
3	Ranipur Bhela	254	3.05	0.30	0.76	0.76	1.22	3.05
4	Gholiya-II	245	2.94	0.29	0.74	0.74	1.18	2.94
5	Jamuni Kala	318	3.82	0.38	0.95	0.95	1.53	3.82
6	Sankarpur	465	5.58	0.56	1.40	1.40	2.23	5.58
7	Tendua Ratanpur	304	3.65	0.36	0.91	0.91	1.46	3.65
8	Titihariya	387	4.64	0.46	1.16	1.16	1.86	4.64
9	Piprahwa Jogaon	370	4.44	0.44	1.11	1.11	1.78	4.44
10	Bairihawa	245	2.94	0.29	0.74	0.74	1.18	2.94
	Total	3500	42.00	4.20	10.50	10.50	16.80	42.00

PROJECTWISE/YEARWISE FINANCIAL BREAK UP OF WORK COMPONENT OF IWMP-III, DISTRICT-SHRAVASTI								
							Amount in Lacs	
S. No.	Name of GP	Project Area	Proposed Amount	Work Component 56% of Project Cost				
				2010-11	2011-12	2012-13	2013-14	Total
1	Bharta Kalan	370	24.86	3.33	7.26	7.10	7.17	24.86
2	Hempur	542	36.42	4.88	10.63	10.41	10.50	36.42
3	Ranipur Bhela	254	17.07	2.29	4.98	4.88	4.92	17.07
4	Gholiya-II	245	16.46	2.21	4.81	4.70	4.75	16.46
5	Jamuni Kala	318	21.37	2.86	6.24	6.11	6.16	21.37
6	Sankarpur	465	31.25	4.19	9.12	8.93	9.01	31.25
7	Tendua Ratanpur	304	20.43	2.74	5.96	5.84	5.89	20.43
8	Titihariya	387	26.01	3.48	7.59	7.43	7.50	26.01
9	Piprahwa Jogaon	370	24.86	3.33	7.26	7.10	7.17	24.86
10	Bairihawa	245	16.46	2.21	4.81	4.70	4.75	16.46
	Total	3500	235.20	31.50	68.67	67.20	67.83	235.20

CHAPTER -7

CONSOLIDATION AND WITHDRAWAL STRATEGY

7.1 WATERSHED DEVELOPMENT FUND

The major source of financial assistance after post implementation period is Watershed Development Fund. The contribution of it will come mainly from the fund generated.

7.2 USER CHARGES

Various user groups will be formed in village. These user groups will collect user according to the designated rules formed during the formation of user group. These funds will be transferred to the WDF funds as per these formulated rules. The secretary of watershed committee (WC) shall maintain the records.

7.3 SUSTAINABILITY AND ENVIRONMENT SECURITY

In the proposed watershed management plan of IWMP-III, Shravasti, watershed, proper blending of bio engineering measures will be applied on 60% of the total watershed area. Based on the results of studies conducted in this region, it is estimated that more 50% of the watershed area will be treated and consequently the soil loss and runoff from the area is expected to be reduced by 70% and 65% respectively. The proposed land use plan will improve the land utilization index and crop diversification index significantly as compared to the existing one. It will help in maintaining ecosystem integrity on sustained basis along with improving the livelihood security of the farming community.

7.4 ECONOMIC ANALYSIS

Economic analysis of the project was carried by taking direct benefits and costs considering 25 year project life at 10 per cent discount rate. For this purpose of economic analysis, whole watershed development plan was divided into three sectors namely,

Agriculture, horticulture and forest/fuel wood plantation. Net present value (NPV), Benefit cost ratio (BC) ratio criteria were employed to judge the economic efficiency of each enterprise and sector.

7.5 AGRICULTURE

In rainfed agriculture the development cost can be recovered within one year as the present rainfed agriculture is being done on well maintained field, therefore, does not require much investment.

CHAPTER -8

EXPECTED OUTCOME

8.1 ABSTRACT OF EXPECTED OUTCOMES

The overall assessment of the project certain parameters have been evaluated on the present and future basis. As mentioned in the above the food grain production according to the expenditure has been analyzed after the completion of the project.

Table No.8.1: SUMMARY OF EXPECTED OUTCOMES OF IWMP-III

S. No.	Name of the District	Item	Unit of Measurement	Pre-project Status	Expected Post-project Status
1	2	3	4	5	6
1	Shravasti	Status of water table	Meter	7.10	6.3
2		Grand water structure repaired/ rejuvenated	-	-	21
3		Quality of drinking water	21	Satisfactory	Good
4		Availability of drinking water	Month	10 months	12 Months
5		Increase in irrigation potential	%	10.10 %	25%
6		Change in cropping/land use pattern	No.	Single crop	Multi Crop
7		Area under agriculture crop	Hector	3671.39	4200.00
8		i- Area under single crop	Hector	2753.54	1260
9		ii- Area under double crop	Hector	706.74	2100
10		iii- Area under multiple crop	Hector	211.10	840
11		iv-Cropping Intensity	%	130	190

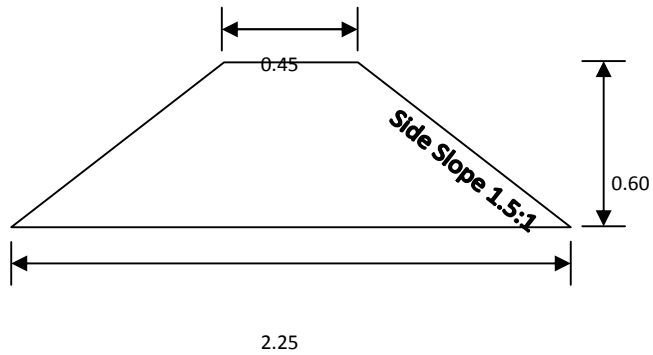
12		Increase in area under vegetation	Hector	36	350
13		Increase in area under horticulture	Hector	18	200
14		Increase in area under fuel & fodder	Hector	150	500
15		Increase in milk production	%	-	50
16		No. of SHGs	No.	-	105
		Migration	No.	1559	800
		SHG Federation formed	No.	-	20
		Credit Linkage with banks	-	2	10

CHAPTER-9

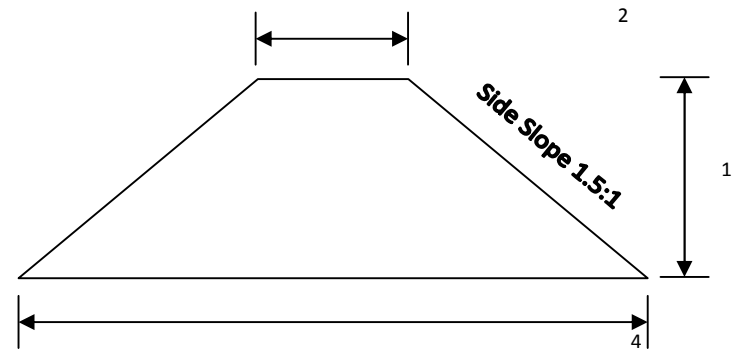
COST NORMS AND DESIGN OF STRUCTURE PROPOSED

DRAWING OF C.B., S.B., P.B., AND M.B. *Scale)*

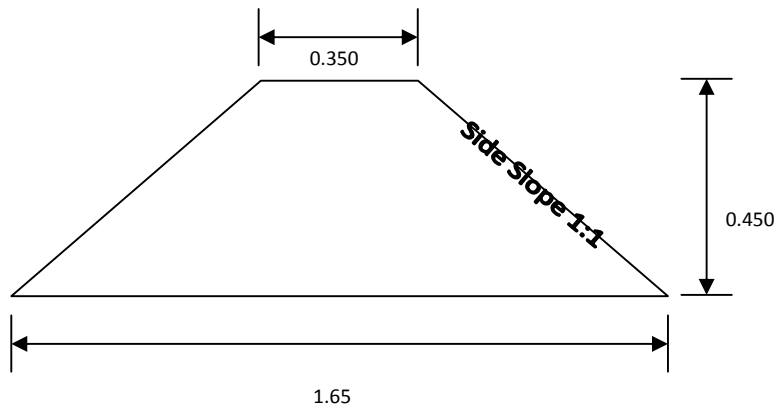
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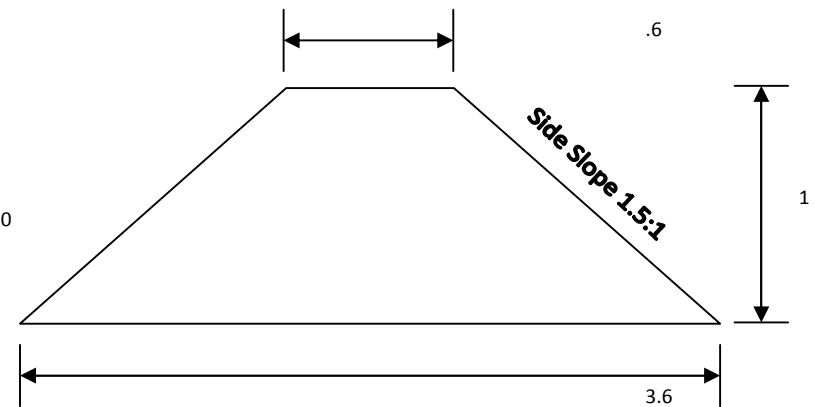
(C.B., Cross-Section – .81)



(S.B., Cross-Section – 3.0)



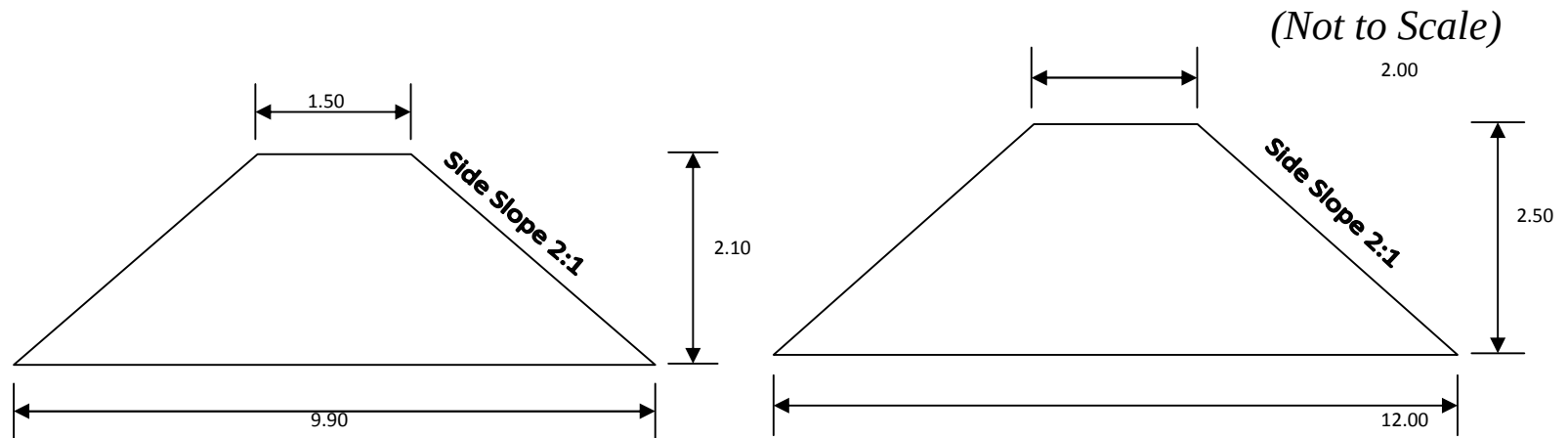
(Field Bund, Cross-Section – 0.438)



(P.B. /M.B., Cross-Section – 2.1 m²)

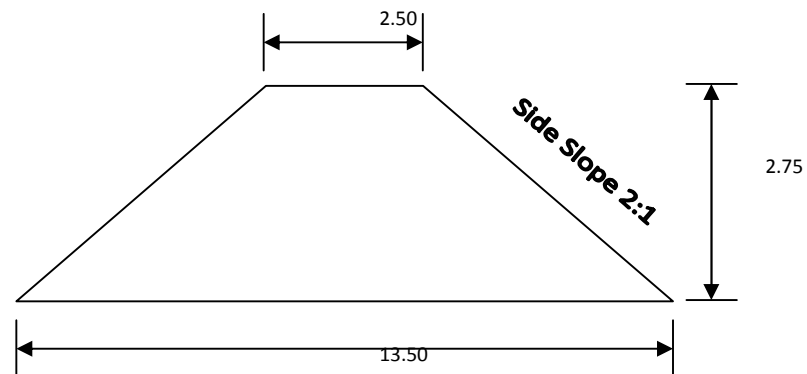
(All dimensions in Meter)

DRAWING OF EARTHEN CHEKDAM / GULLY PLUG



(C.D. /G.P., Cross-Section – 11.97 m²)
17.50 m²)

(C.D. /G.P., Cross-Section –



(W.H.B., Cross-Section – 22.00 m²)

(All dimensions in Meter)

DESIGN OF CONTOUR BUND

Type of Soil	-Loam, Sandy Loam
Rain fall	-24 hr in cm -25 cm
Field Stop -1%	
Vertical Interval (VI)	$= [s/3+2] \times 0.3$ $= [1/3+2] \times 0.3$ $= 0.70 \text{ m}$
Horizontal Interval (HI)	$= 100 \times \text{V.I./s}$ $= 100 \times 0.7/1$
Height of bund h	$= \sqrt{(\text{Re} \times \text{VI})/50}$ Re=maximum rainfall in cm $= \sqrt{(25 \times 0.7)/50}$ $= \sqrt{0.35}$ $= 0.59$ Say 0.60 m
Free board	=15% of height minimum -10 cm
Height	$= 0.60 + 0.10$ $= 0.70 \text{ m}$
Taking top width of bund 0.50 m and side slope 1.5:1	
Then base of Bund	$= 0.50 + (1.50 \text{ d}) \times 2$ $= 2.60 \text{ m}$
Cross-Section of bund	$= (0.45 + 2.25) \times 0.6 / 2$ $= .81$
Length of bund	$= 100 \text{ s} / \text{V.I.}$ $= 100 \times 1 / 0.70$ =142.85 m/ha Say 150 m/ha
Earth work/ha	$= 150 \times 1.085$ $= 162.75 \text{ cum}$
Cost Rs. / ha	$= 162.75 \times 39.16 = 6373.29$ Say 6375.00

DESIGN OF SUBMERGENCE BUND

Types of soil – -Loam, Sandy Loam	Rainfall intensity for 24 hrs – 25cm
Field slope 3%	$V.I. = [s/3+2] \times 0.30$ $= 0.90 \text{ m}$
Horizontal Interval = $(100 \times V.I.) / s$	$= (100 \times 0.90) / 3$ $= 30 \text{ m}$
Height of bund $h = \sqrt{(Re \times V.I.) / 50}$	$= \sqrt{(25 \times 0.90) / 50} = \sqrt{0.45} = 0.67 \text{ m. Say } \mathbf{0.70m}$
Free board 20% of height minimum 20cm	
Total Height	$= 0.90\text{m}$
Taking top width of bund 0.70m and side slope 1.5:1	
Bottom of bund	$= 0.70 + 2 \times 1.5d$ $= 0.70 + 2.70$ $= 3.40$
Cross Section of Submergence Bund	$= (2+4) \times 1 / 2$ $= 3$
Length of bund	$= 100 \text{ s} / V.I.$ $= (100 \times 3) / 0.90$ $= 333 \text{ m}$
Feasible length	$100 + 25 + 25$ $= 150 \text{ m}$
Earth work/ha	$= 150 \times 1.845$ $= 276.75$
Cost per ha	$= 276.75 \times 39.16$ $= 10,837.53$ Say 10,850=00

TYPICAL SECTION OF FIELD BUND

Top width	= 0.50 m
Side slope	= 1:1
Height of bound	= 0.50 m
Bottom Width	= 1.50 m
Cross section	= $(0.3+1.65) \times 0.45 / 2 = 0.438$
Length per hectare	= 200 m
Earthwork	= $200 \times 0.50 = 100 \text{ cum}$
Cost 39.16/cum	= Rs. 3916.00
Cost per hectare	= Rs. 3916.00

TYPICAL SECTION OF P.B., M.B., S.B.

Top width	= 0.70 m
Side slope	= 1.5:1
Height	= 1.30 m
Bottom	= 4.60 m
Cross section	= $(0.70+4.60) \times 1.30 / 2$ = 3.445 m^2
Cost/ meter	= Rs. 142.00

TYPICAL SECTION OF EARTHEN CHECK DAM / GULLY PLUG

Top width	= 1.50 m
Side slope	= 2:1
Height	= 2.10m
Bottom Width	= 9.90 m
Cross section	= $(1.50 + 9.90) \times 2.10 / 2$ = 11.97 m ²
Cost per meter	= Rs. 551.45

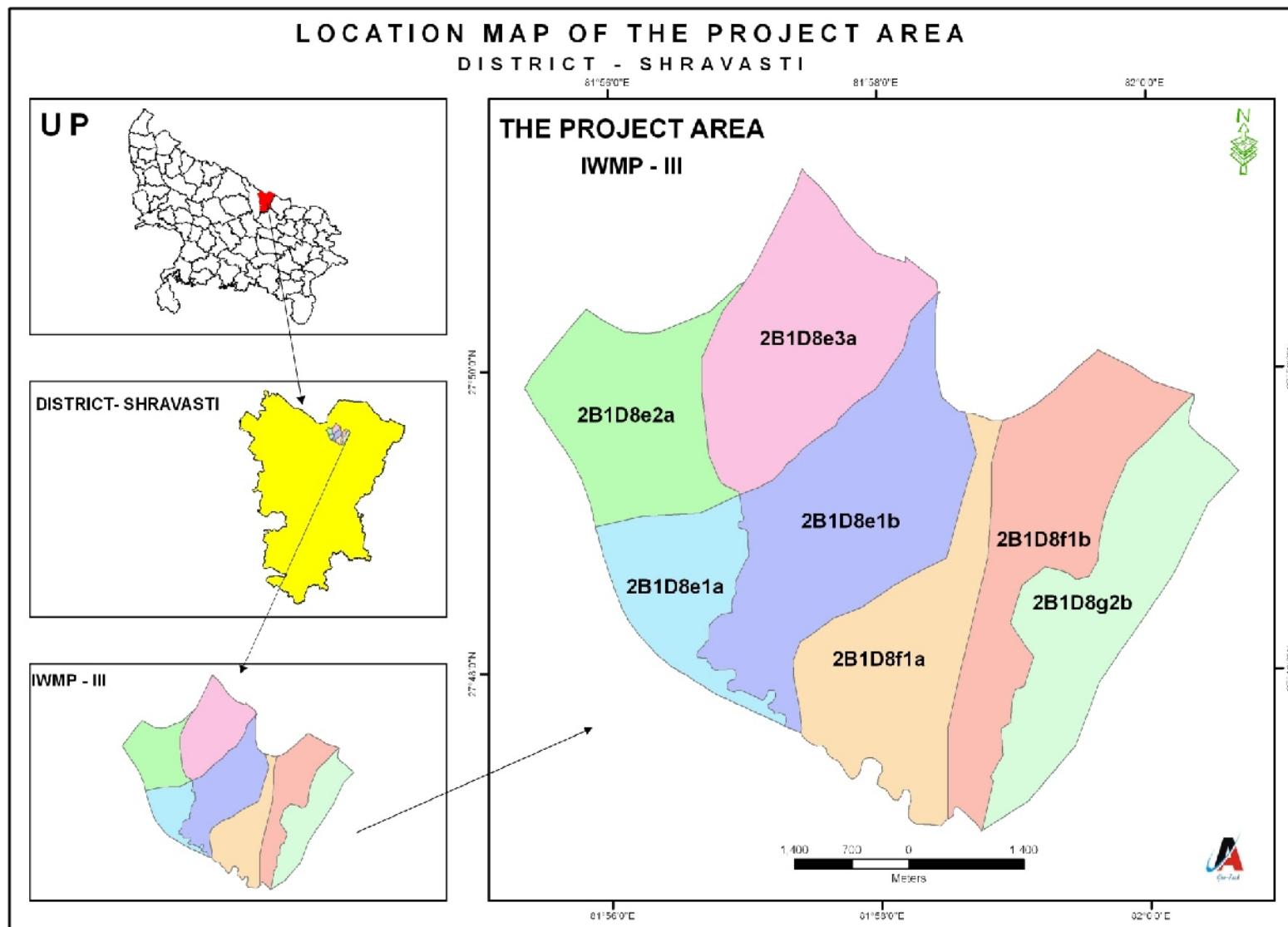
TYPICAL SECTION OF CHECK DAM / GULLY PLUG

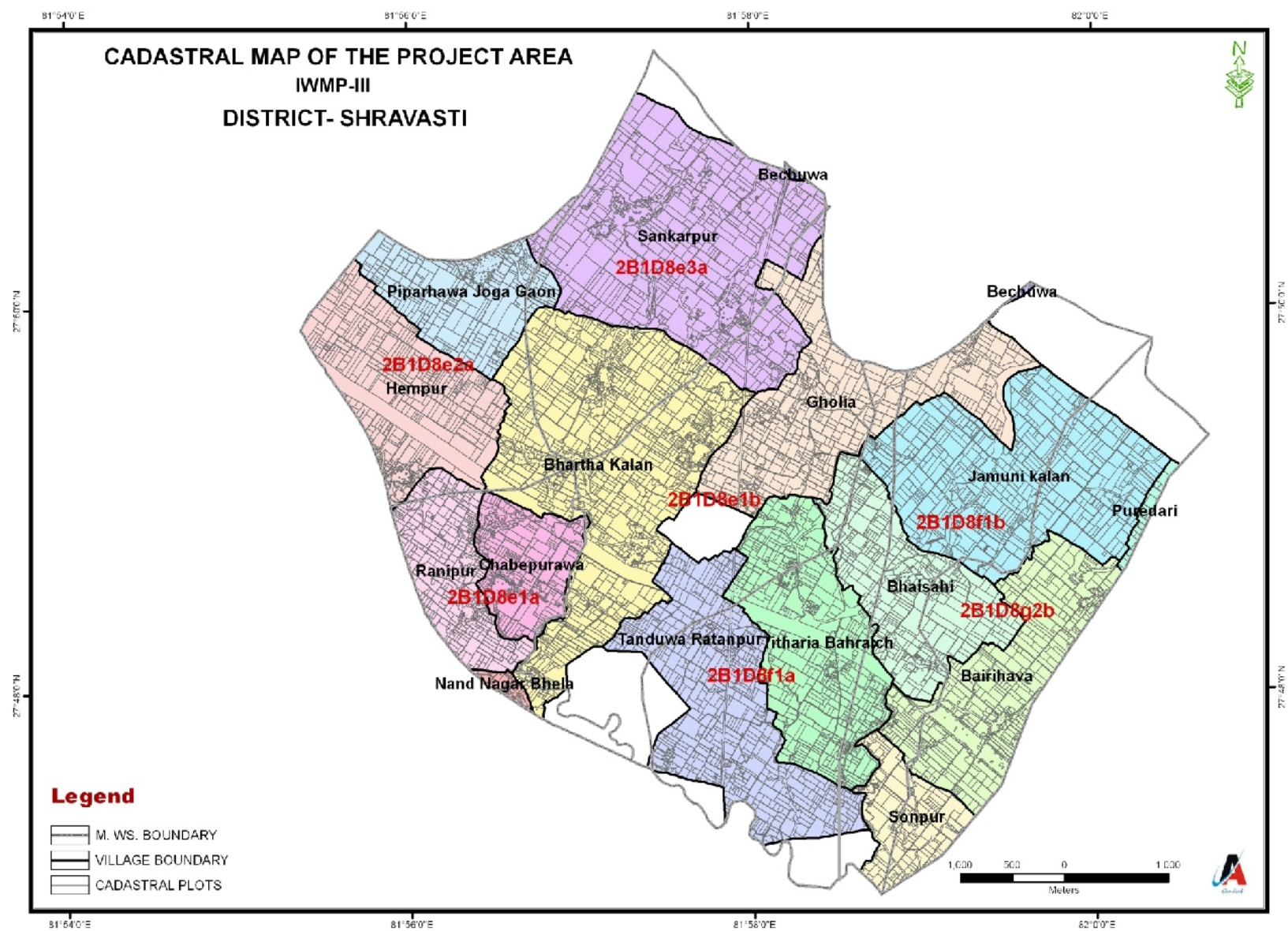
Top width	= 2.00m
Side slope	= 2:1
Height	= 2.50 m
Bottom Width	= 12.00 m
Cross Section	= $(2.00 + 12.00) \times 2.50 / 2$ = 17.50 m ²
Cost /meter	= Rs. 839.12

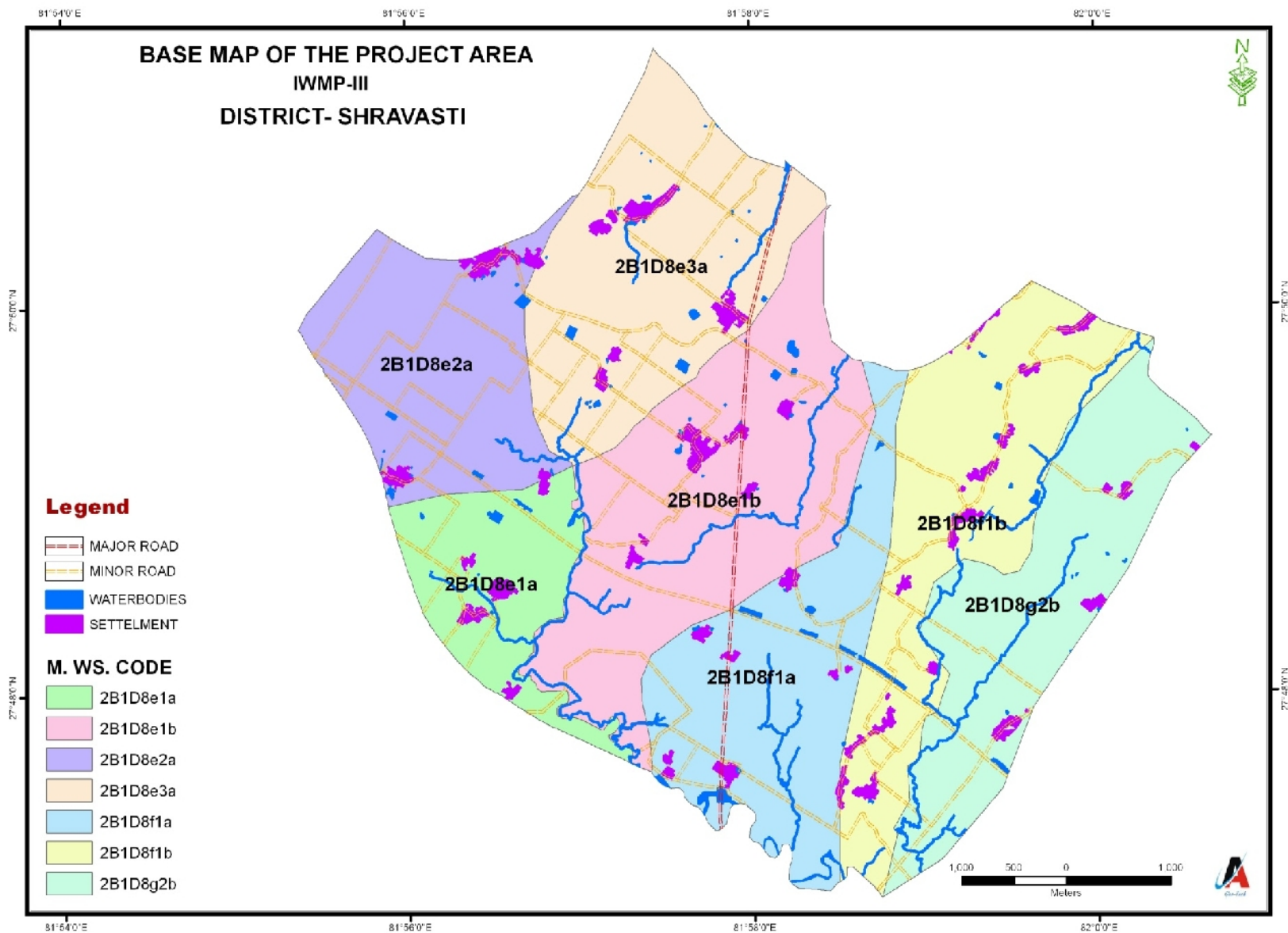
TYPICAL SECTION OF W.H.B

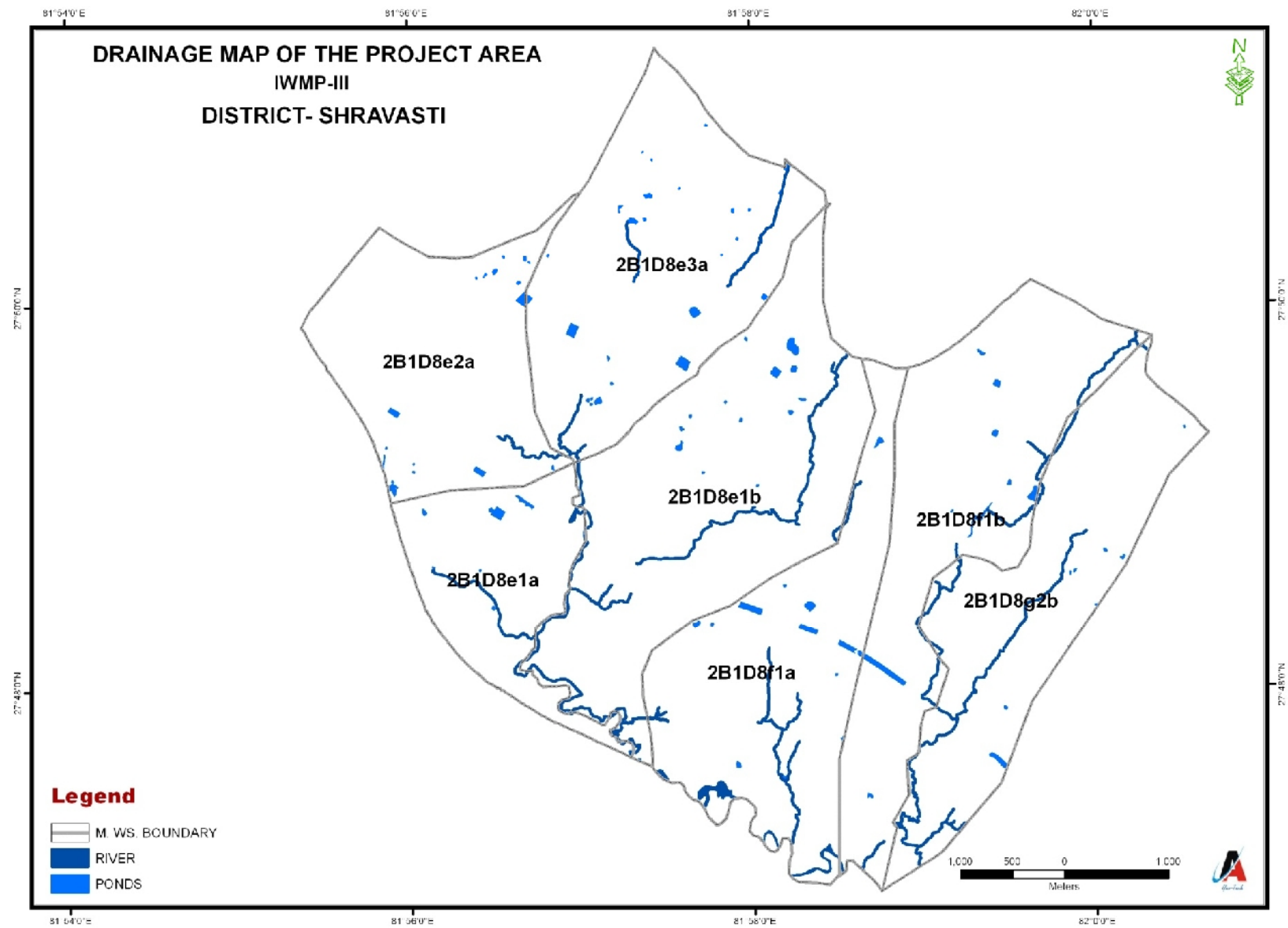
Top width	= 2.50 m
Side slope	= 2:1
Height	= 2.75 m
Bottom Width	= 13.50 m
Cross section	= $(2.50 + 13.50) \times 2.75 / 2$ = 22.00 m ²
Per meter cost	= Rs. 1085.92

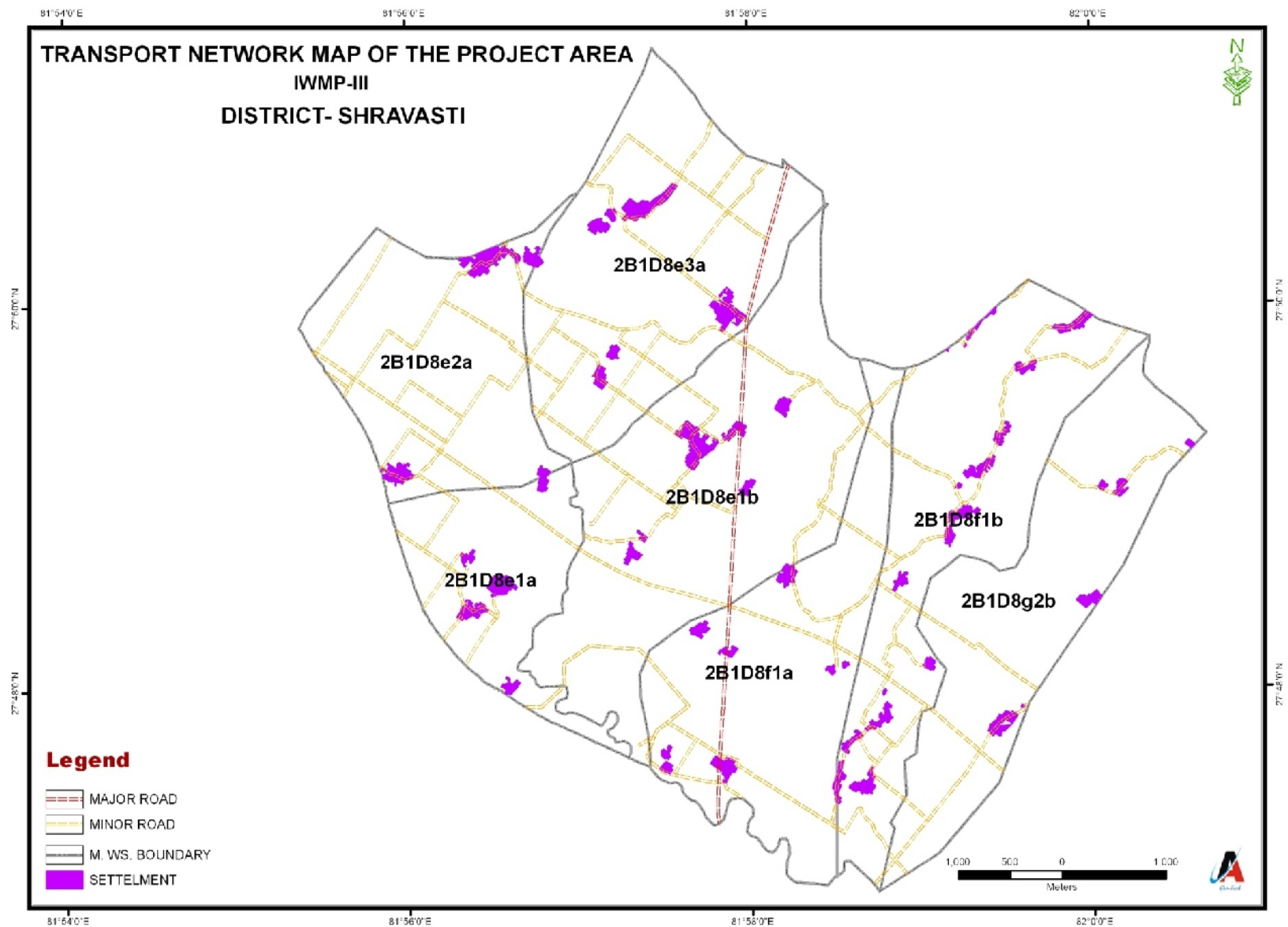
MAPS

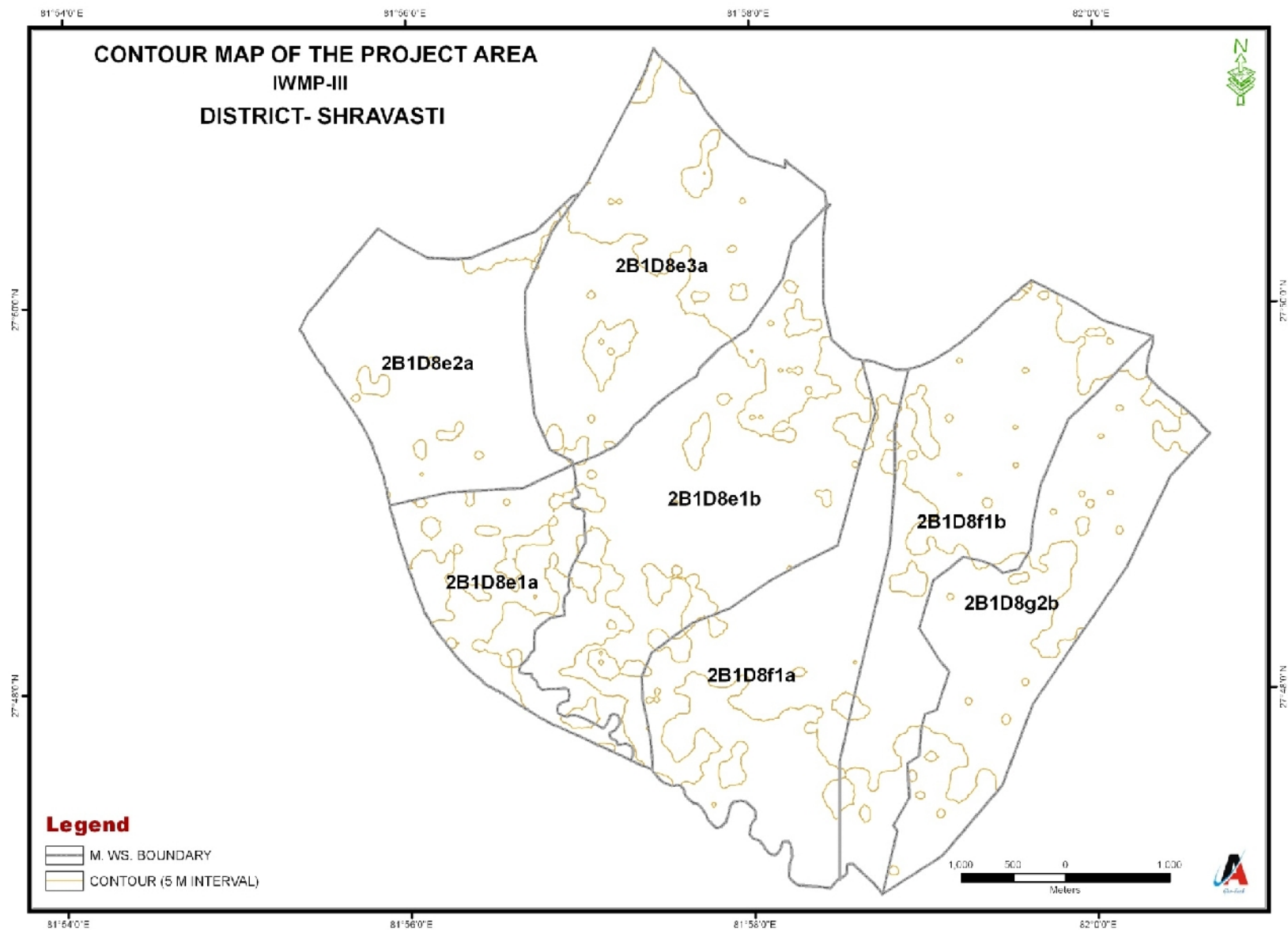


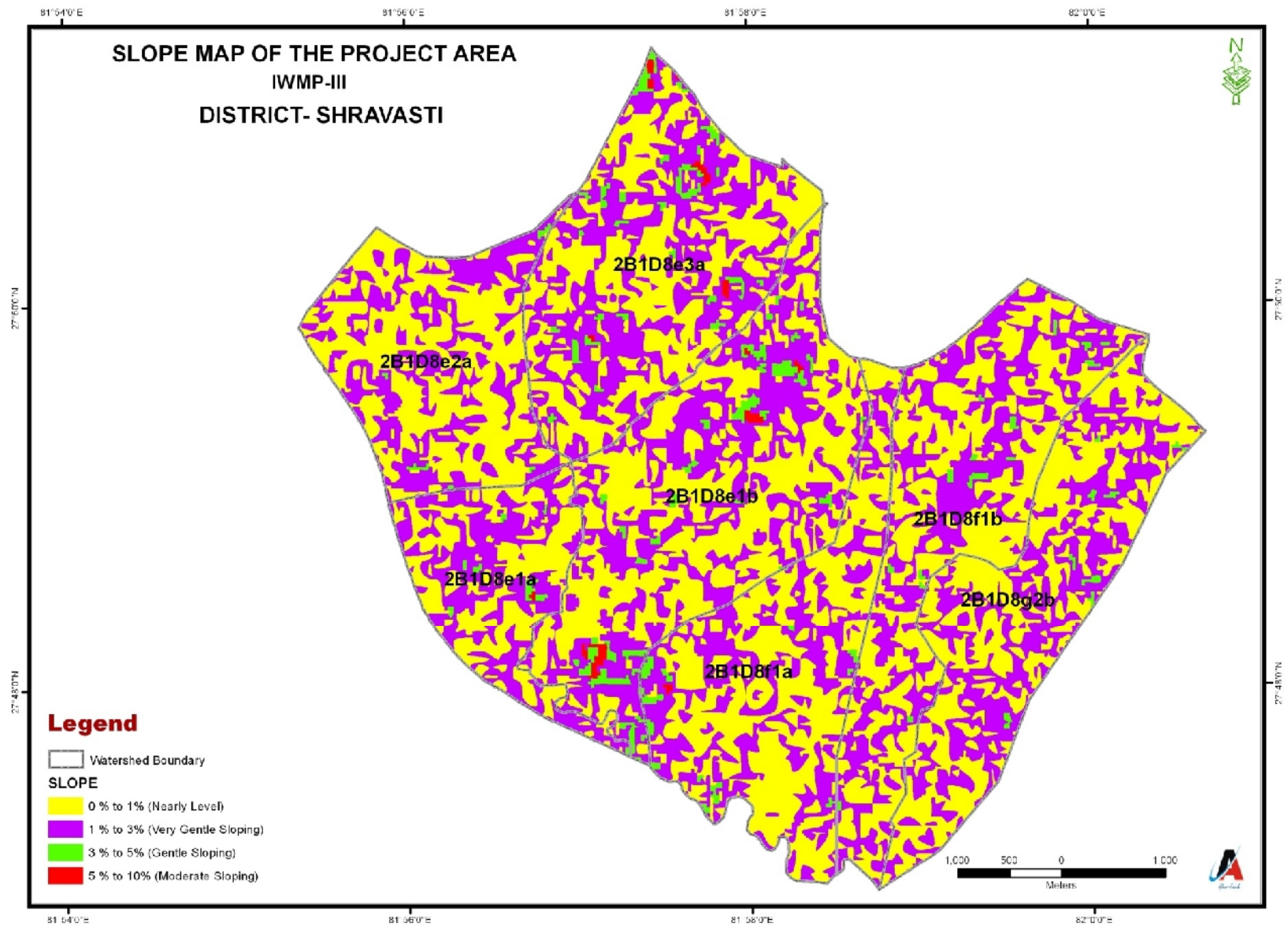


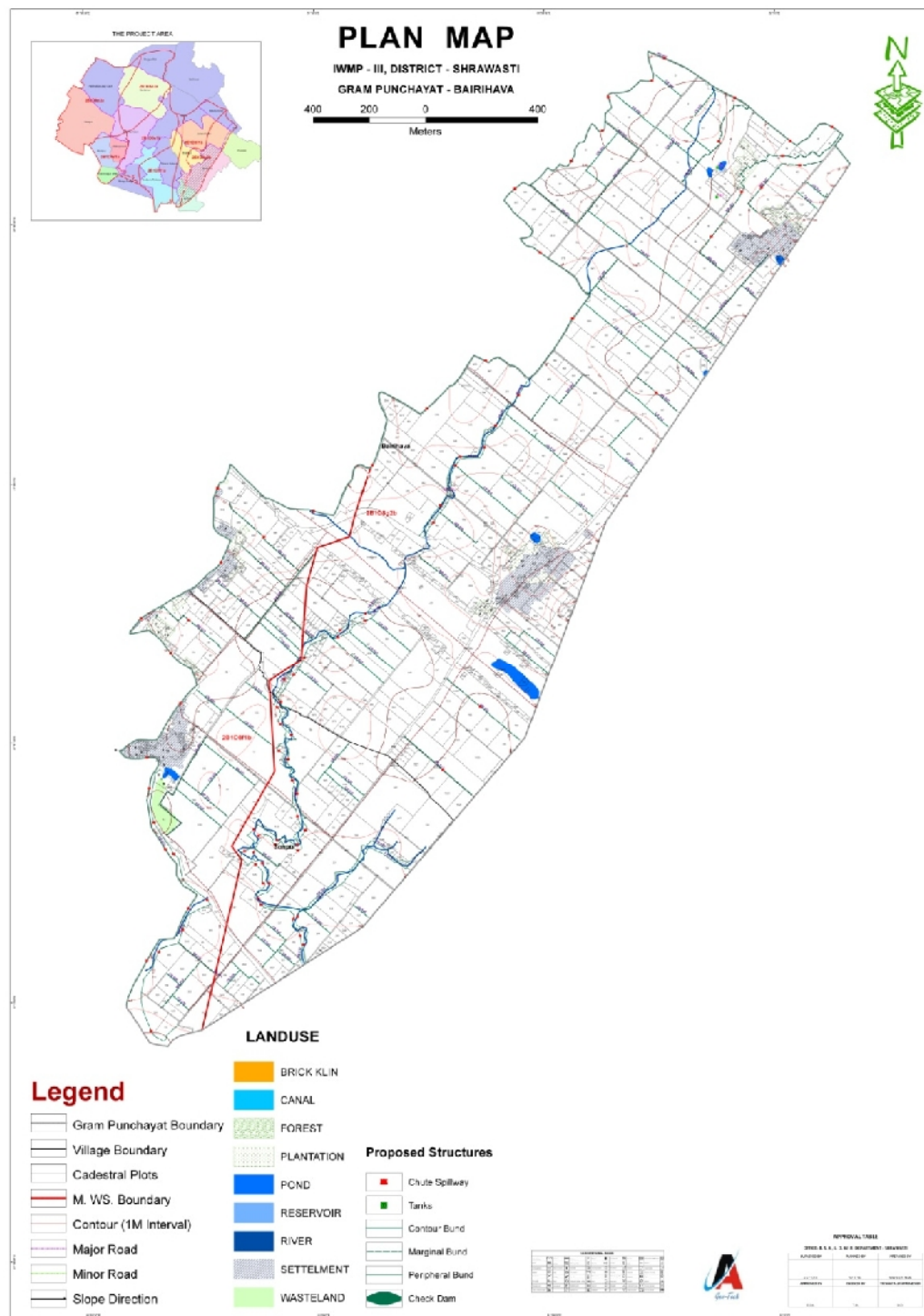


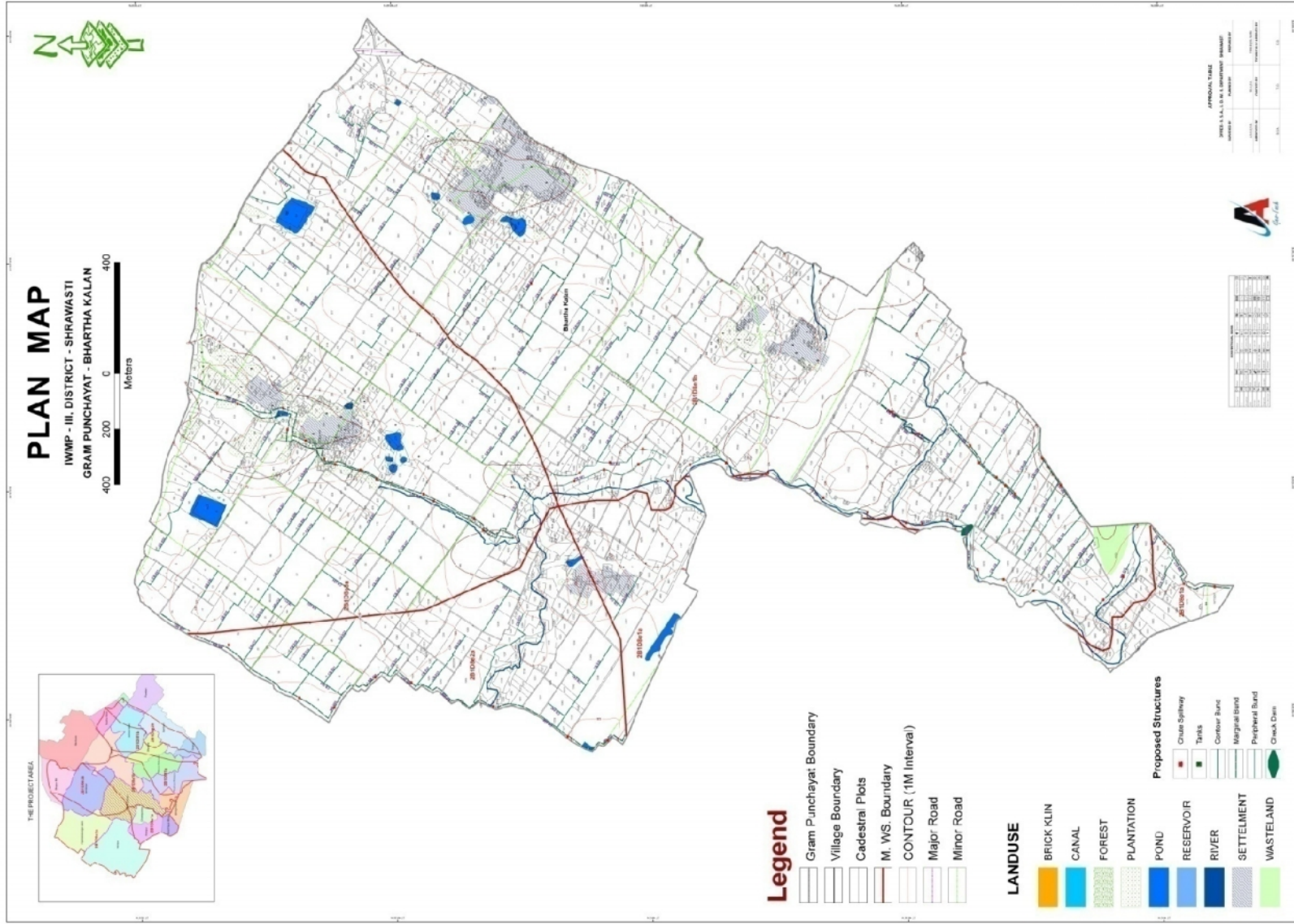


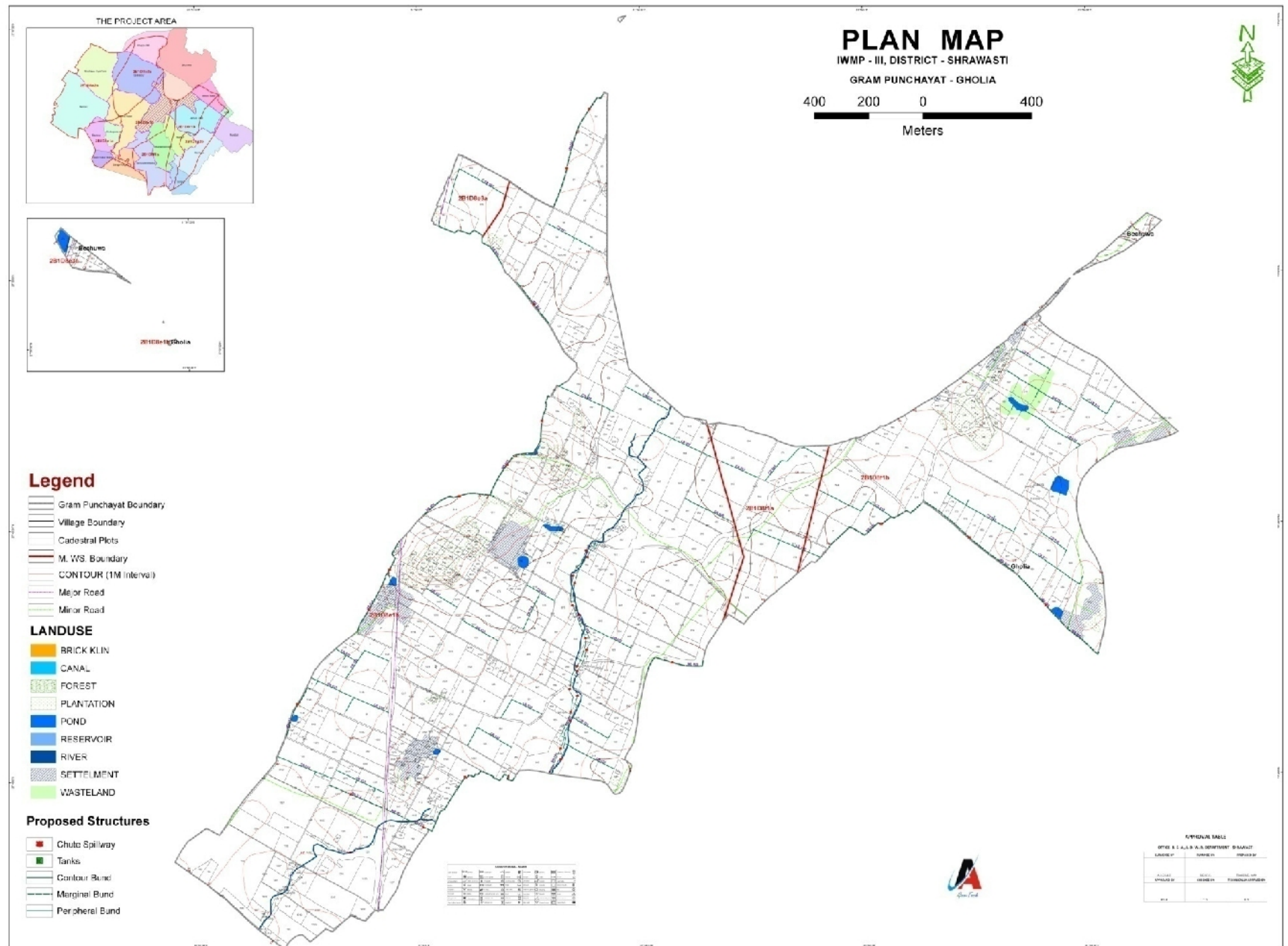


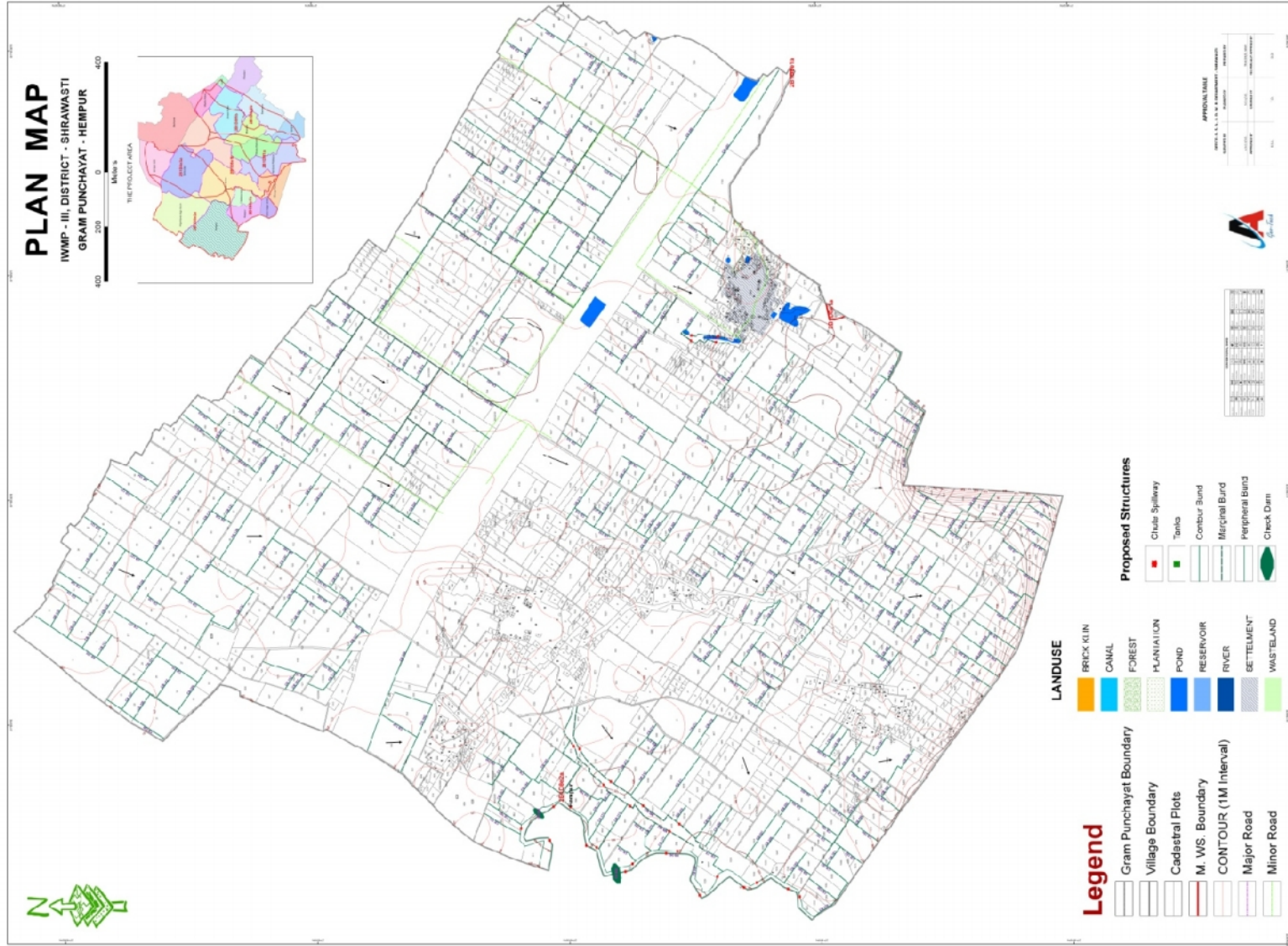


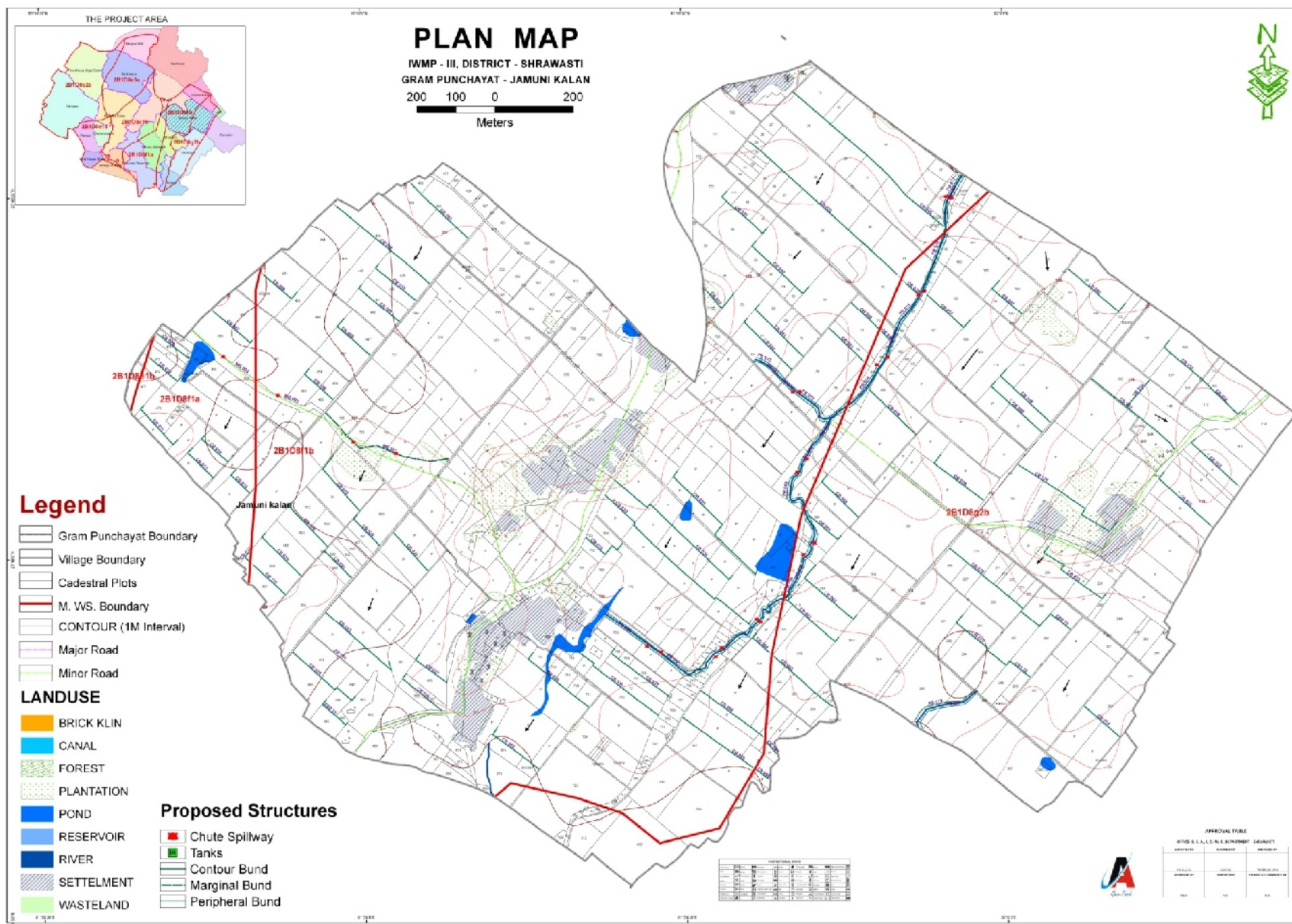


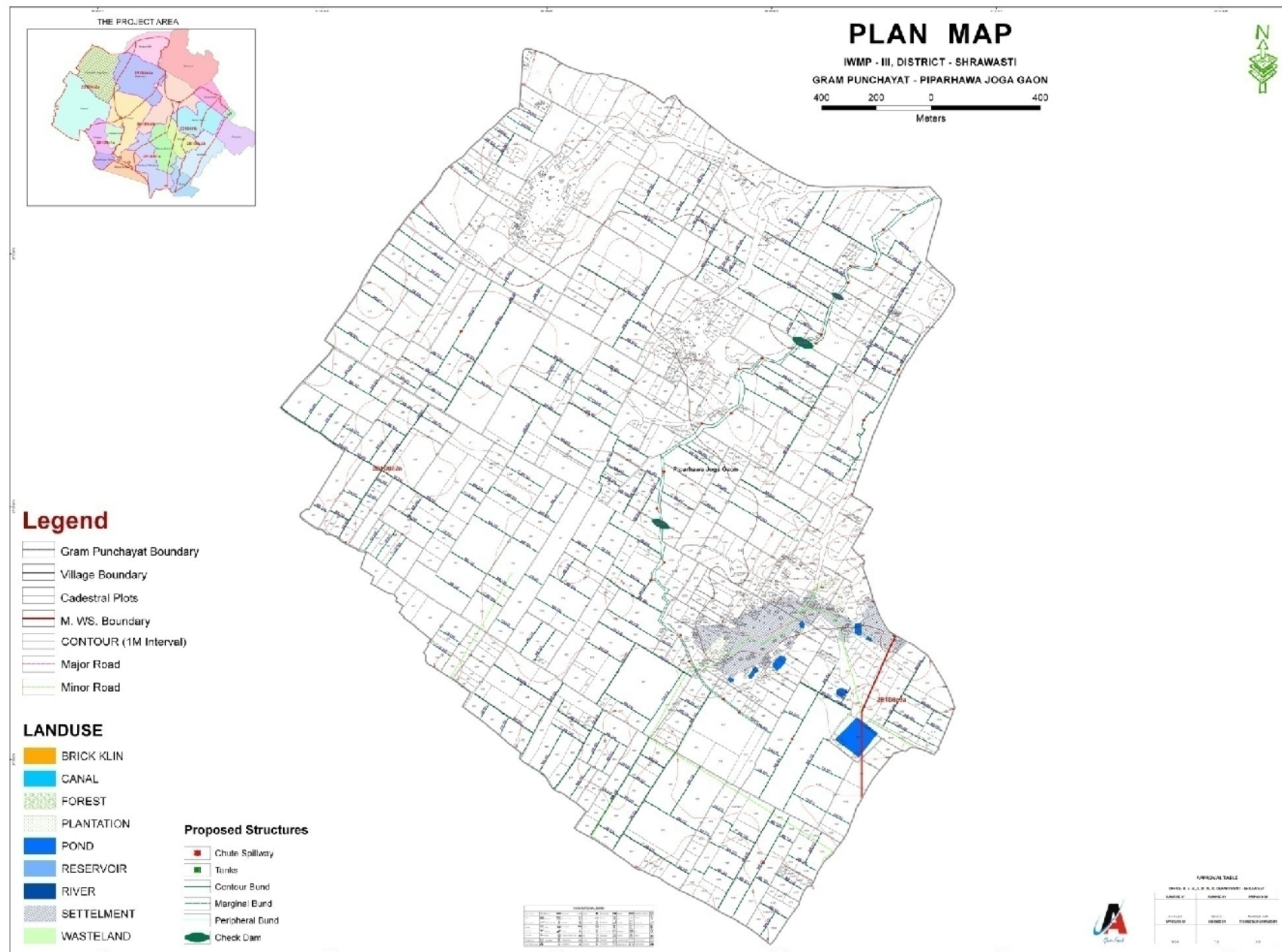


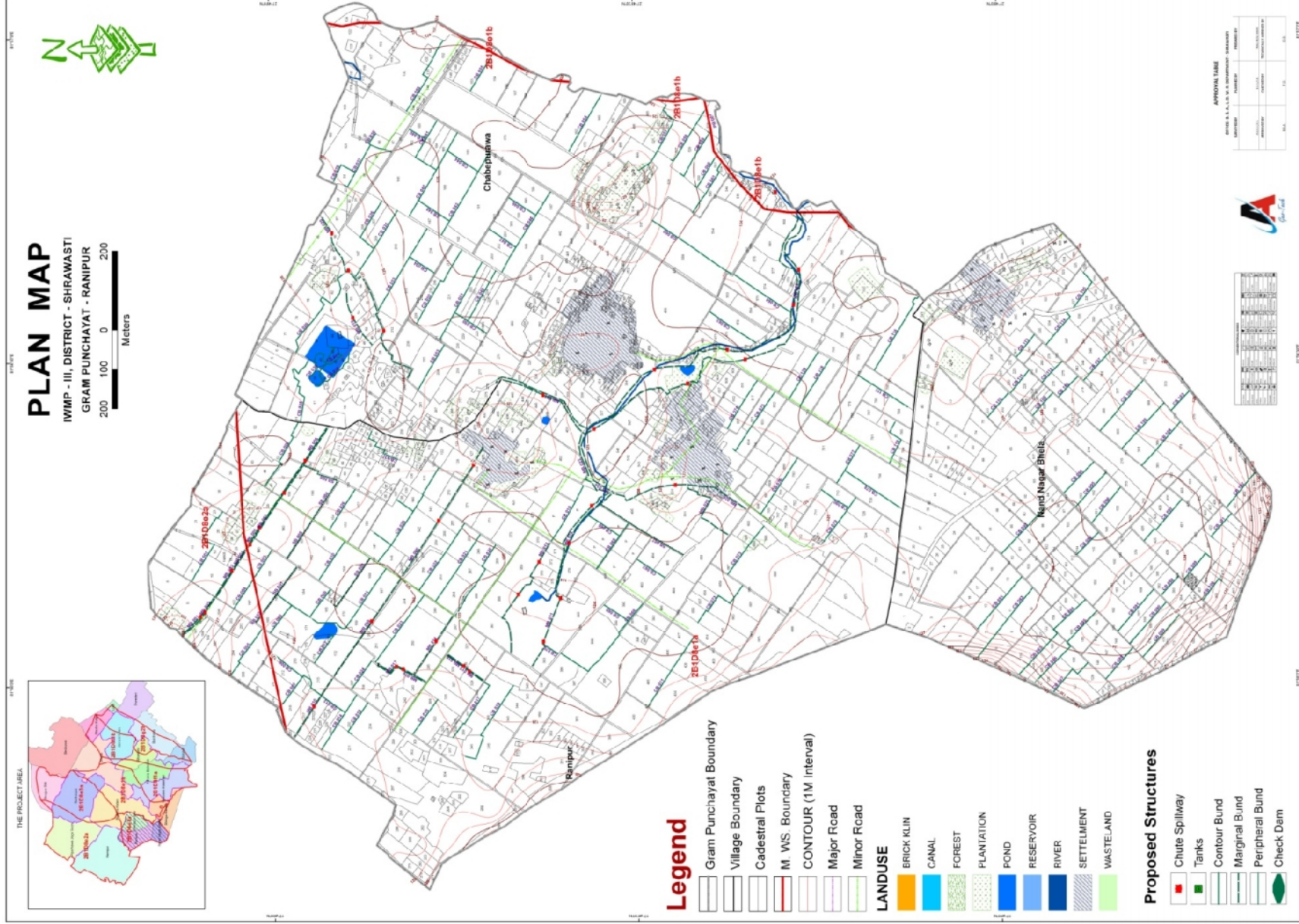


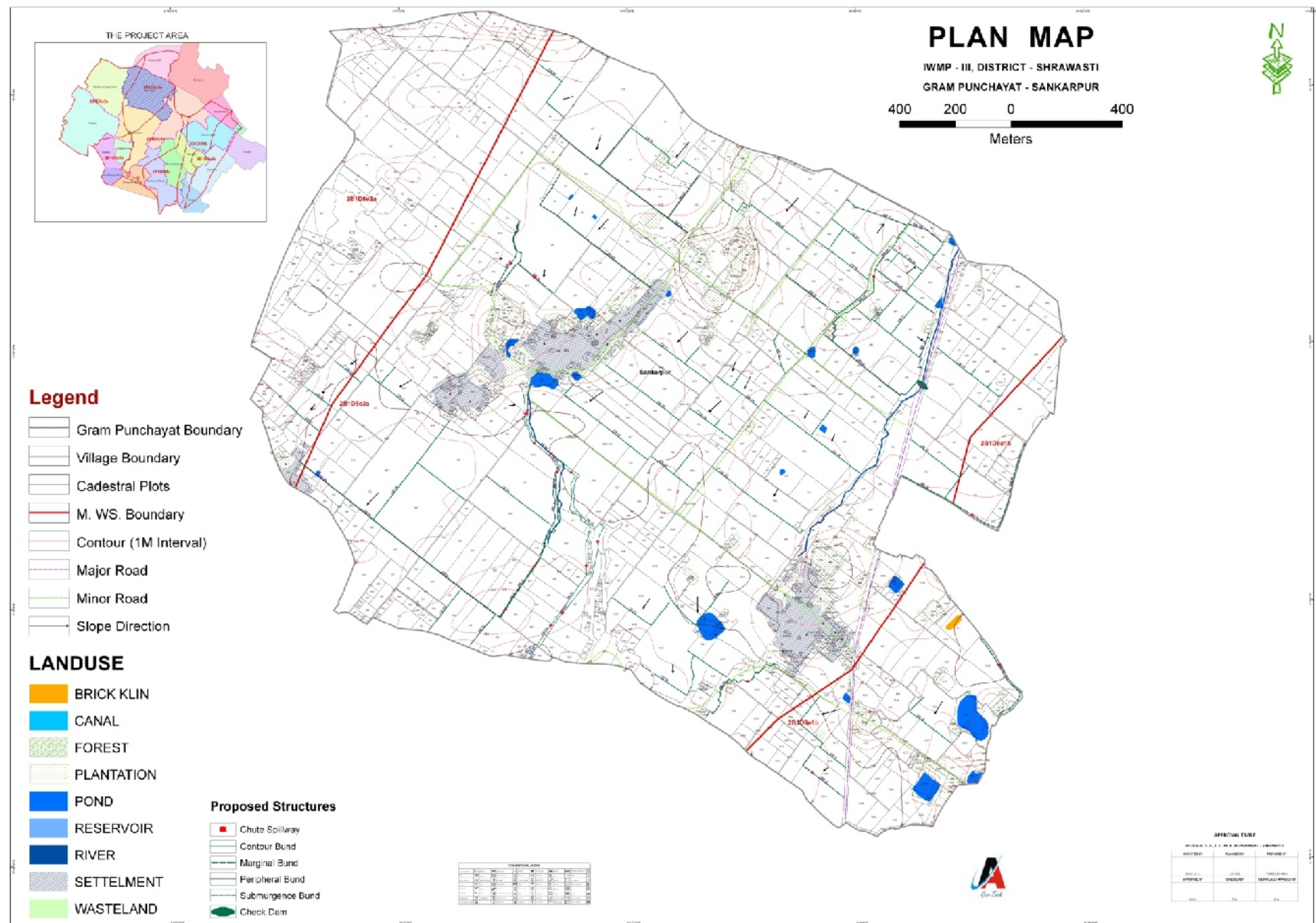


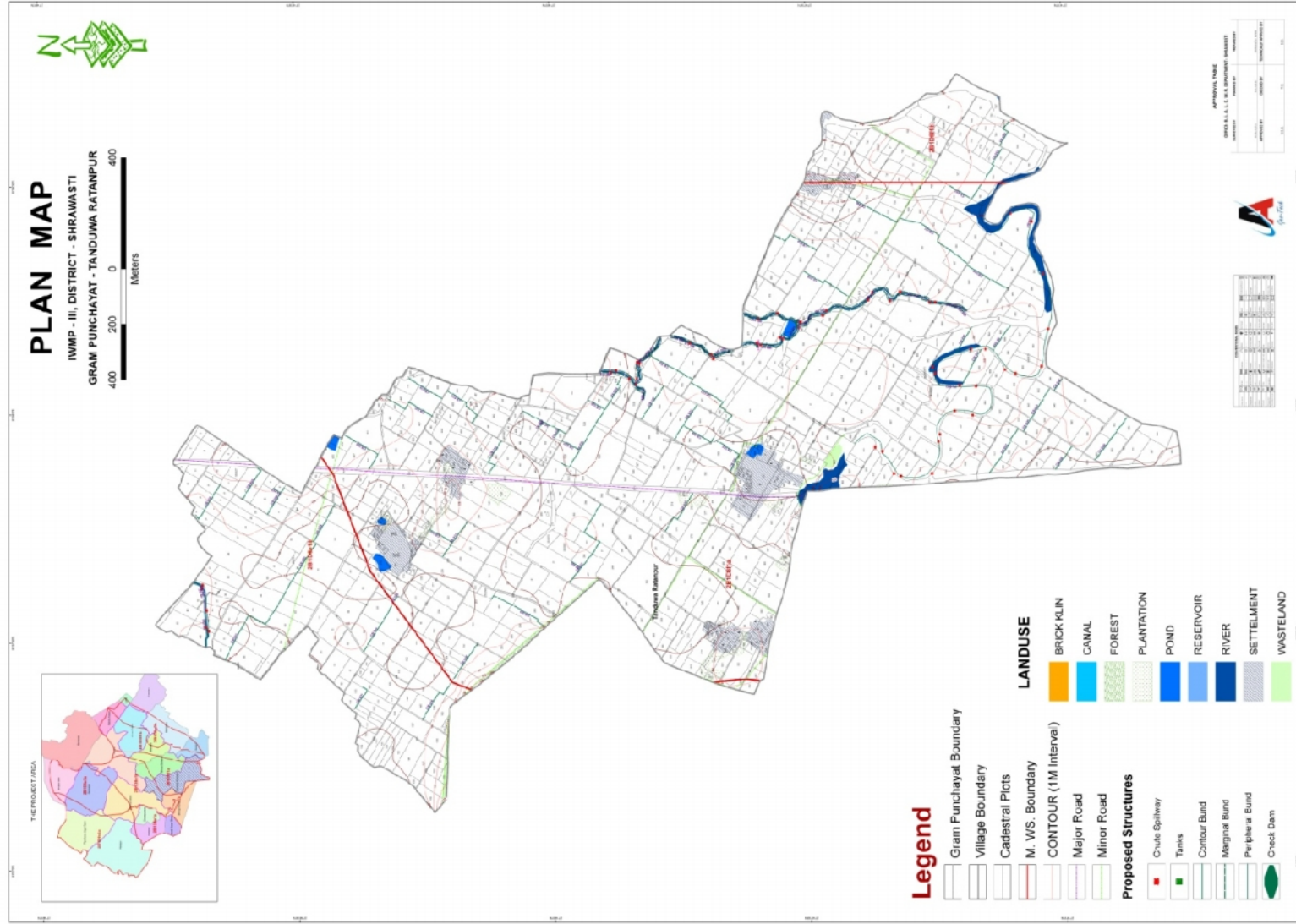


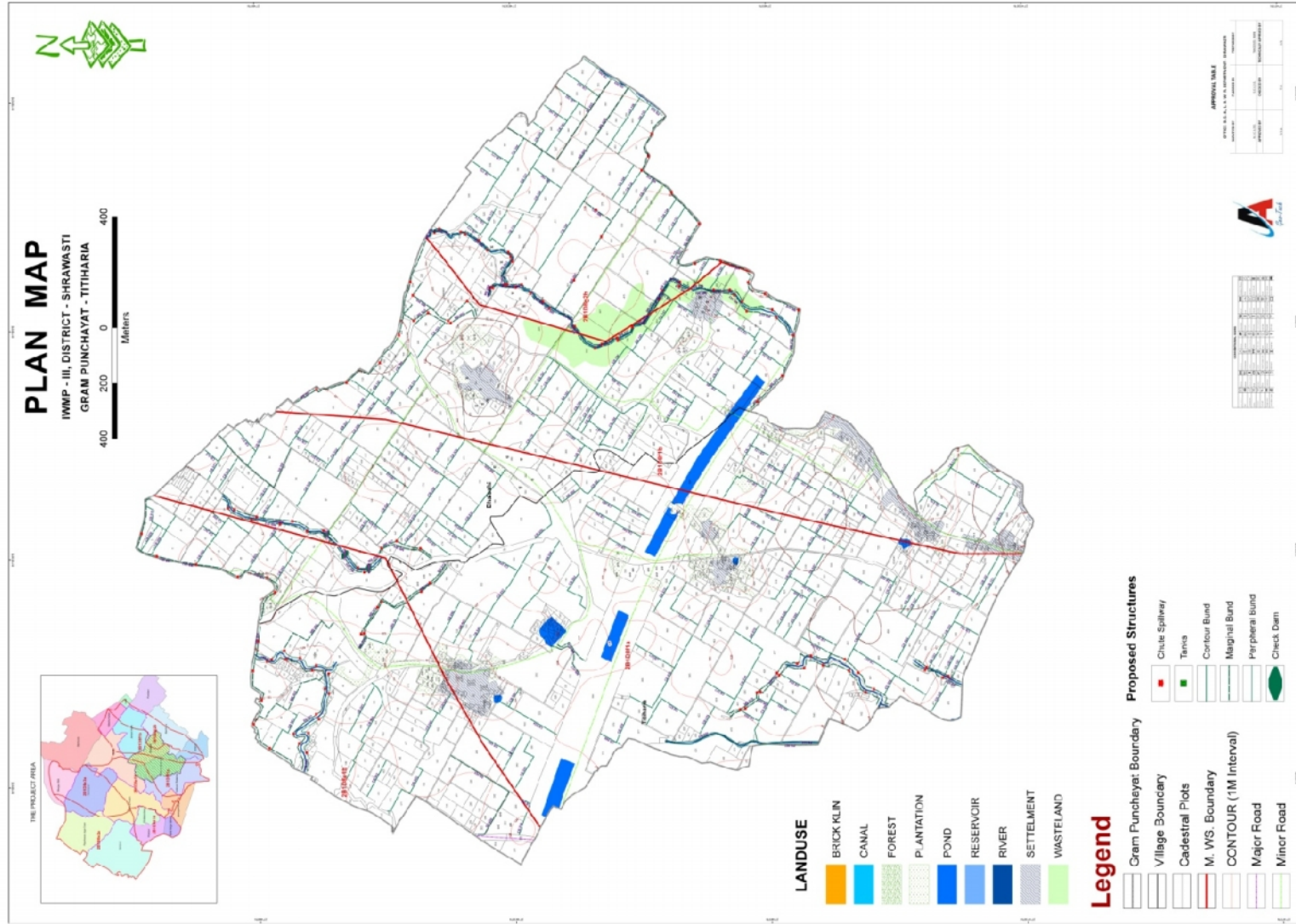












ANNEXURE-1

ESTIMATE OF CONTOUR BUNDS- BAIRIHVA													Soding Charges			
WORK	KH. No.	NAME OF GP	LENGTH	BASE	TOP	HIGHT	CS	EW	RATE	MD	L. CHARGES	T. COST	Sqr. Mtr.	RATE	S. AMOUNT	T. AMOUNT
CB 001	6	Bairihava	117	2.25	0.45	0.6	0.81	94.77	32.57	38	100	3086.66	322.92	2.2	710.42	3797.08
CB 002	6	Bairihava	179	2.25	0.45	0.6	0.81	144.99	32.57	58	100	4722.32	494.04	2.2	1086.89	5809.21
CB 003	7	Bairihava	193	2.25	0.45	0.6	0.81	156.33	32.57	63	100	5091.67	532.68	2.2	1171.90	6263.56
CB 004	14	Bairihava	33	2.25	0.45	0.6	0.81	26.73	32.57	11	100	870.60	91.08	2.2	200.38	1070.97
CB 005	9	Bairihava	307	2.25	0.45	0.6	0.81	248.67	32.57	100	100	8099.18	847.32	2.2	1864.10	9963.29
CB 006	55	Bairihava	264	2.25	0.45	0.6	0.81	213.84	32.57	86	100	6964.77	728.64	2.2	1603.01	8567.78
CB 007	82	Bairihava	510	2.25	0.45	0.6	0.81	413.10	32.57	166	100	13454.67	1407.60	2.2	3096.72	16551.39
CB 008	380	Bairihava	318	2.25	0.45	0.6	0.81	257.58	32.57	103	100	8389.38	877.68	2.2	1930.90	10320.28
CB 009	90	Bairihava	162	2.25	0.45	0.6	0.81	131.22	32.57	53	100	4273.84	447.12	2.2	983.66	5257.50
CB 010	383	Bairihava	307	2.25	0.45	0.6	0.81	248.67	32.57	100	100	8099.18	847.32	2.2	1864.10	9963.29
CB 011	196	Bairihava	103	2.25	0.45	0.6	0.81	83.43	32.57	33	100	2717.32	284.28	2.2	625.42	3342.73
CB 012	189	Bairihava	92	2.25	0.45	0.6	0.81	74.52	32.57	30	100	2427.12	253.92	2.2	558.62	2985.74
CB 013	353	Bairihava	163	2.25	0.45	0.6	0.81	132.03	32.57	53	100	4300.22	449.88	2.2	989.74	5289.95
CB 014	337	Bairihava	199	2.25	0.45	0.6	0.81	161.19	32.57	65	100	5249.96	549.24	2.2	1208.33	6458.29
CB 015	418	Bairihava	279	2.25	0.45	0.6	0.81	225.99	32.57	91	100	7360.49	770.04	2.2	1694.09	9054.58
CB 016	508	Bairihava	285	2.25	0.45	0.6	0.81	230.85	32.57	92	100	7518.78	786.60	2.2	1730.52	9249.30
CB 017	488	Bairihava	199	2.25	0.45	0.6	0.81	161.19	32.57	65	100	5249.96	549.24	2.2	1208.33	6458.29
CB 018	521	Bairihava	149	2.25	0.45	0.6	0.81	120.69	32.57	48	100	3930.87	411.24	2.2	904.73	4835.60
CB 019	522	Bairihava	290	2.25	0.45	0.6	0.81	234.90	32.57	94	100	7650.69	800.40	2.2	1760.88	9411.57
CB 020	661	Bairihava	167	2.25	0.45	0.6	0.81	135.27	32.57	54	100	4405.74	460.92	2.2	1014.02	5419.77
CB 021	683	Bairihava	232	2.25	0.45	0.6	0.81	187.92	32.57	75	100	6120.55	640.32	2.2	1408.70	7529.26

CB 022	41	Sonpur	117	2.25	0.45	0.6	0.81	94.77	32.57	38	100	3086.66	322.92	2.2	710.42	3797.08
CB 023	111	Sonpur	203	2.25	0.45	0.6	0.81	164.43	32.57	66	100	5355.49	560.28	2.2	1232.62	6588.10
CB 024	110	Sonpur	100	2.25	0.45	0.6	0.81	81.00	32.57	32	100	2638.17	276.00	2.2	607.20	3245.37
CB 025	965	Bairihava	187	2.25	0.45	0.6	0.81	151.47	32.57	61	100	4933.38	516.12	2.2	1135.46	6068.84
CB 026	953	Bairihava	173	2.25	0.45	0.6	0.81	140.13	32.57	56	100	4564.03	477.48	2.2	1050.46	5614.49
CB 027	114	Sonpur	239	2.25	0.45	0.6	0.81	193.59	32.57	78	100	6305.23	659.64	2.2	1451.21	7756.43
CB 028	114	Sonpur	148	2.25	0.45	0.6	0.81	119.88	32.57	48	100	3904.49	408.48	2.2	898.66	4803.15
CB 029	119	Sonpur	208	2.25	0.45	0.6	0.81	168.48	32.57	68	100	5487.39	574.08	2.2	1262.98	6750.37
CB 030	823	Bairihava	182	2.25	0.45	0.6	0.81	147.42	32.57	59	100	4801.47	502.32	2.2	1105.10	5906.57
CB 031	823	Bairihava	212	2.25	0.45	0.6	0.81	171.72	32.57	69	100	5592.92	585.12	2.2	1287.26	6880.18
CB 032	990	Bairihava	244	2.25	0.45	0.6	0.81	197.64	32.57	79	100	6437.13	673.44	2.2	1481.57	7918.70
CB 033	971	Bairihava	132	2.25	0.45	0.6	0.81	106.92	32.57	43	100	3482.38	364.32	2.2	801.50	4283.89
CB 034	159	Sonpur	172	2.25	0.45	0.6	0.81	139.32	32.57	56	100	4537.65	474.72	2.2	1044.38	5582.04
CB 035	170	Sonpur	162	2.25	0.45	0.6	0.81	131.22	32.57	53	100	4273.84	447.12	2.2	983.66	5257.50
CB 036	164	Sonpur	161	2.25	0.45	0.6	0.81	130.41	32.57	52	100	4247.45	444.36	2.2	977.59	5225.05
CB 037	187	Sonpur	114	2.25	0.45	0.6	0.81	92.34	32.57	37	100	3007.51	314.64	2.2	692.21	3699.72
CB 038	324	Sonpur	65	2.25	0.45	0.6	0.81	52.65	32.57	21	100	1714.81	179.40	2.2	394.68	2109.49
CB 039	324	Sonpur	77	2.25	0.45	0.6	0.81	62.37	32.57	25	100	2031.39	212.52	2.2	467.54	2498.93
CB 040	337	Sonpur	224	2.25	0.45	0.6	0.81	181.44	32.57	73	100	5909.50	618.24	2.2	1360.13	7269.63
CB 041	196	Sonpur	230	2.25	0.45	0.6	0.81	186.30	32.57	75	100	6067.79	634.80	2.2	1396.56	7464.35
CB 042	298	Sonpur	98	2.25	0.45	0.6	0.81	79.38	32.57	32	100	2585.41	270.48	2.2	595.06	3180.46
CB 043	298	Sonpur	80	2.25	0.45	0.6	0.81	64.80	32.57	26	100	2110.54	220.80	2.2	485.76	2596.30
CB 044	244	Sonpur	123	2.25	0.45	0.6	0.81	99.63	32.57	40	100	3244.95	339.48	2.2	746.86	3991.81
CB 045	247	Sonpur	64	2.25	0.45	0.6	0.81	51.84	32.57	21	100	1688.43	176.64	2.2	388.61	2077.04
TOTAL			8263					6693.03		2682		217991.99	22805.88		50172.94	268164.92

ESTIMATE OF MARGINAL BUNDS- BAIRIHAVA														Soding Charges		
WORK	KH. No.	NAME OF GP	LENGTH	BASE	TOP	HIGHT	CS	EW	RATE	MD	L. CHARGES	T. COST	Sqr. Mtr.	RATE	S. AMOUNT	T. AMOUNT
MB 001	31	Bairihava	659	3.6	0.6	1	2.10	1383.90	32.57	512	100	45073.62	2767.80	2.2	6089.16	51162.78
MB 002	50	Bairihava	384	3.6	0.6	1	2.10	806.40	32.57	298	100	26264.45	1612.80	2.2	3548.16	29812.61
MB 003	15	Bairihava	425	3.6	0.6	1	2.10	892.50	32.57	330	100	29068.73	1785.00	2.2	3927.00	32995.73
MB 004	69	Bairihava	253	3.6	0.6	1	2.10	531.30	32.57	196	100	17304.44	1062.60	2.2	2337.72	19642.16
MB 005	344	Bairihava	173	3.6	0.6	1	2.10	363.30	32.57	134	100	11832.68	726.60	2.2	1598.52	13431.20
MB 006	344	Bairihava	175	3.6	0.6	1	2.10	367.50	32.57	136	100	11969.48	735.00	2.2	1617.00	13586.48
MB 007	339	Bairihava	192	3.6	0.6	1	2.10	403.20	32.57	149	100	13132.22	806.40	2.2	1774.08	14906.30
MB 008	400	Bairihava	283	3.6	0.6	1	2.10	594.30	32.57	220	100	19356.35	1188.60	2.2	2614.92	21971.27
MB 009	589	Bairihava	179	3.6	0.6	1	2.10	375.90	32.57	139	100	12243.06	751.80	2.2	1653.96	13897.02
MB 010	717	Bairihava	152	3.6	0.6	1	2.10	319.20	32.57	118	100	10396.34	638.40	2.2	1404.48	11800.82
MB 011	873	Bairihava	362	3.6	0.6	1	2.10	760.20	32.57	281	100	24759.71	1520.40	2.2	3344.88	28104.59
MB 012	873	Bairihava	218	3.6	0.6	1	2.10	457.80	32.57	169	100	14910.55	915.60	2.2	2014.32	16924.87
MB 013	928	Bairihava	166	3.6	0.6	1	2.10	348.60	32.57	129	100	11353.90	697.20	2.2	1533.84	12887.74
MB 014	921	Bairihava	42	3.6	0.6	1	2.10	88.20	32.57	33	100	2872.67	176.40	2.2	388.08	3260.75
MB 015	30	Sonpur	330	3.6	0.6	1	2.10	693.00	32.57	256	100	22571.01	1386.00	2.2	3049.20	25620.21
MB 016	126	Sonpur	217	3.6	0.6	1	2.10	455.70	32.57	168	100	14842.15	911.40	2.2	2005.08	16847.23
MB 017	1015	Bairihava	323	3.6	0.6	1	2.10	678.30	32.57	251	100	22092.23	1356.60	2.2	2984.52	25076.75
MB 018	792	Bairihava	342	3.6	0.6	1	2.10	718.20	32.57	266	100	23391.77	1436.40	2.2	3160.08	26551.85
MB 019	324	Sonpur	212	3.6	0.6	1	2.10	445.20	32.57	165	100	14500.16	890.40	2.2	1958.88	16459.04
Total			5087					10682.70		3949		347935.54	21365.40		47003.88	394939.42

ESTIMATE OF PERIPHERL BUNDS- BAIRIHAVA														Soding Charges		
WORK	KH. No.	NAME OF GP	LENGTH	BASE	TOP	HIGHT	CS	EW	RATE	MD	L. CHARGES	T. COST	Sqr. Mtr.	RATE	S. AMOUNT	T. AMOUNT
PB 001	37	Bairihava	1354	3.6	0.6	1	2.10	2843.40	32.57	1051	100	92609.54	5686.80	2.2	12510.96	105120.50
PB 002	371	Bairihava	1576	3.6	0.6	1	2.10	3309.60	32.57	1224	100	107793.67	6619.20	2.2	14562.24	122355.91
PB 003	586	Bairihava	618	3.6	0.6	1	2.10	1297.80	32.57	480	100	42269.35	2595.60	2.2	5710.32	47979.67
PB 004	574	Bairihava	641	3.6	0.6	1	2.10	1346.10	32.57	498	100	43842.48	2692.20	2.2	5922.84	49765.32
PB 005	947	Bairihava	339	3.6	0.6	1	2.10	711.90	32.57	263	100	23186.58	1423.80	2.2	3132.36	26318.94
PB 006	969	Bairihava	613	3.6	0.6	1	2.10	1287.30	32.57	476	100	41927.36	2574.60	2.2	5664.12	47591.48
PB 007	158	Sonpur	1262	3.6	0.6	1	2.10	2650.20	32.57	980	100	86317.01	5300.40	2.2	11660.88	97977.89
PB 008	289	Sonpur	378	3.6	0.6	1	2.10	793.80	32.57	293	100	25854.07	1587.60	2.2	3492.72	29346.79
PB 009	211	Sonpur	271	3.6	0.6	1	2.10	569.10	32.57	210	100	18535.59	1138.20	2.2	2504.04	21039.63
PB 010	236	Sonpur	234	3.6	0.6	1	2.10	491.40	32.57	182	100	16004.90	982.80	2.2	2162.16	18167.06
PB 011	244	Sonpur	492	3.6	0.6	1	2.10	1033.20	32.57	382	100	33651.32	2066.40	2.2	4546.08	38197.40
PB 012	196	Sonpur	264	3.6	0.6	1	2.10	554.40	32.57	205	100	18056.81	1108.80	2.2	2439.36	20496.17
PB 013	113	Sonpur	1328	3.6	0.6	1	2.10	2788.80	32.57	1031	100	90831.22	5577.60	2.2	12270.72	103101.94
PB 014		Bairihava	121	3.6	0.6	1	2.10	254.10	32.57	94	100	8276.04	508.20	2.2	1118.04	9394.08
PB 015	45	Sonpur	4378	3.6	0.6	1	2.10	9193.80	32.57	3399	100	299442.07	18387.60	2.2	40452.72	339894.79
PB 016	316	Sonpur	1288	3.6	0.6	1	2.10	2704.80	32.57	1000	100	88095.34	5409.60	2.2	11901.12	99996.46
Total			15157					31829.70		11767		1036693.33	63659.40		140050.68	1176744.01

ESTIMATE OF SUMBERGENCE BUNDS- BAIRIHAVA														Soding Charges		
WORK	KH. No.	NAME OF GP	LENGTH	BAS E	TO P	HIGH T	CS	EW	RAT E	MD	L. CHARGE S	T. COST	Sqr. Mtr.	RAT E	S. AMOUNT	T. AMOUNT
SB 001	57	Bairihava	150	4	2	1	3.0 0	450.00	32.57	165	100	14656.50	840.00	2.2	1848.00	16504.50
SB 002		Bairihava	346	4	2	1	3.0 0	1038.0 0	32.57	381	100	33807.66	1937.60	2.2	4262.72	38070.38
SB 003	88	Bairihava	212	4	2	1	3.0 0	636.00	32.57	233	100	20714.52	1187.20	2.2	2611.84	23326.36
SB 004	353	Bairihava	347	4	2	1	3.0 0	1041.0 0	32.57	382	100	33905.37	1943.20	2.2	4275.04	38180.41
SB 005	168	Bairihava	71	4	2	1	3.0 0	213.00	32.57	78	100	6937.41	397.60	2.2	874.72	7812.13
SB 006	928	Bairihava	385	4	2	1	3.0 0	1155.0 0	32.57	424	100	37618.35	2156.00	2.2	4743.20	42361.55
SB 007	114	Sonpur	492	4	2	1	3.0 0	1476.0 0	32.57	541	100	48073.32	2755.20	2.2	6061.44	54134.76
SB 008	943	Bairihava	37	4	2	1	3.0 0	111.00	32.57	41	100	3615.27	207.20	2.2	455.84	4071.11
SB 009	940	Bairihava	130	4	2	1	3.0 0	390.00	32.57	143	100	12702.30	728.00	2.2	1601.60	14303.90
SB 010	316	Sonpur	164	4	2	1	3.0 0	492.00	32.57	180	100	16024.44	918.40	2.2	2020.48	18044.92
SB 011	332	Sonpur	6	4	2	1	3.0 0	18.00	32.57	7	100	586.26	33.60	2.2	73.92	660.18
Total			2340					7020.00		257 5		228641.4 0	13104.0 0		28828.80	257470.2 0

ESTIMATE OF CONTOUR BUNDS- BHARTHA KALA														Soding Charges		
WORK	KH. No.	NAME OF GP	LENGTH	BASE	TOP	HIGHT	CS	EW	RATE	MD	L. CHARGES	T. COST	Sqr. Mtr.	RATE	S. AMOUNT	T. AMOUNT
CB 001	8	Bhartha Kalan	137	2.25	0.45	0.6	0.81	110.97	32.57	44	100	3614.29	378.12	2.2	831.86	4446.16
CB 002	90	Bhartha Kalan	76	2.25	0.45	0.6	0.81	61.56	32.57	25	100	2005.01	209.76	2.2	461.47	2466.48
CB 003	95	Bhartha Kalan	238	2.25	0.45	0.6	0.81	192.78	32.57	77	100	6278.84	656.88	2.2	1445.14	7723.98
CB 004	111	Bhartha Kalan	217	2.25	0.45	0.6	0.81	175.77	32.57	70	100	5724.83	598.92	2.2	1317.62	7042.45
CB 005	124	Bhartha Kalan	140	2.25	0.45	0.6	0.81	113.40	32.57	45	100	3693.44	386.40	2.2	850.08	4543.52
CB 006	418	Bhartha Kalan	160	2.25	0.45	0.6	0.81	129.60	32.57	52	100	4221.07	441.60	2.2	971.52	5192.59
CB 007	82	Bhartha Kalan	135	2.25	0.45	0.6	0.81	109.35	32.57	44	100	3561.53	372.60	2.2	819.72	4381.25
CB 008	77	Bhartha Kalan	130	2.25	0.45	0.6	0.81	105.30	32.57	42	100	3429.62	358.80	2.2	789.36	4218.98
CB 009	77	Bhartha Kalan	136	2.25	0.45	0.6	0.81	110.16	32.57	44	100	3587.91	375.36	2.2	825.79	4413.70
CB 010	77	Bhartha Kalan	137	2.25	0.45	0.6	0.81	110.97	32.57	44	100	3614.29	378.12	2.2	831.86	4446.16
CB 011	77	Bhartha Kalan	249	2.25	0.45	0.6	0.81	201.69	32.57	81	100	6569.04	687.24	2.2	1511.93	8080.97
CB 012	66/2000	Bhartha Kalan	120	2.25	0.45	0.6	0.81	97.20	32.57	39	100	3165.80	331.20	2.2	728.64	3894.44
CB 013	66/2000	Bhartha Kalan	57	2.25	0.45	0.6	0.81	46.17	32.57	18	100	1503.76	157.32	2.2	346.10	1849.86
CB 014	25	Bhartha Kalan	88	2.25	0.45	0.6	0.81	71.28	32.57	29	100	2321.59	242.88	2.2	534.34	2855.93
CB 015	28	Bhartha Kalan	187	2.25	0.45	0.6	0.81	151.47	32.57	61	100	4933.38	516.12	2.2	1135.46	6068.84
CB 016	13	Bhartha Kalan	109	2.25	0.45	0.6	0.81	88.29	32.57	35	100	2875.61	300.84	2.2	661.85	3537.45
CB 017	20	Bhartha Kalan	138	2.25	0.45	0.6	0.81	111.78	32.57	45	100	3640.67	380.88	2.2	837.94	4478.61
CB 018	35	Bhartha Kalan	117	2.25	0.45	0.6	0.81	94.77	32.57	38	100	3086.66	322.92	2.2	710.42	3797.08
CB 019	37	Bhartha Kalan	249	2.25	0.45	0.6	0.81	201.69	32.57	81	100	6569.04	687.24	2.2	1511.93	8080.97
CB 020	37	Bhartha Kalan	240	2.25	0.45	0.6	0.81	194.40	32.57	78	100	6331.61	662.40	2.2	1457.28	7788.89
CB 021	41	Bhartha Kalan	105	2.25	0.45	0.6	0.81	85.05	32.57	34	100	2770.08	289.80	2.2	637.56	3407.64
CB 022	44	Bhartha Kalan	143	2.25	0.45	0.6	0.81	115.83	32.57	46	100	3772.58	394.68	2.2	868.30	4640.88
CB 023	61	Bhartha Kalan	133	2.25	0.45	0.6	0.81	107.73	32.57	43	100	3508.77	367.08	2.2	807.58	4316.34

CB 024	60	Bhartha Kalan	142	2.25	0.45	0.6	0.81	115.02	32.57	46	100	3746.20	391.92	2.2	862.22	4608.43
CB 025	56	Bhartha Kalan	123	2.25	0.45	0.6	0.81	99.63	32.57	40	100	3244.95	339.48	2.2	746.86	3991.81
CB 026	54	Bhartha Kalan	222	2.25	0.45	0.6	0.81	179.82	32.57	72	100	5856.74	612.72	2.2	1347.98	7204.72
CB 027	444	Bhartha Kalan	156	2.25	0.45	0.6	0.81	126.36	32.57	51	100	4115.55	430.56	2.2	947.23	5062.78
CB 028	53	Bhartha Kalan	139	2.25	0.45	0.6	0.81	112.59	32.57	45	100	3667.06	383.64	2.2	844.01	4511.06
CB 029	443	Bhartha Kalan	162	2.25	0.45	0.6	0.81	131.22	32.57	53	100	4273.84	447.12	2.2	983.66	5257.50
CB 030	434	Bhartha Kalan	168	2.25	0.45	0.6	0.81	136.08	32.57	55	100	4432.13	463.68	2.2	1020.10	5452.22
CB 031	1246	Bhartha Kalan	100	2.25	0.45	0.6	0.81	81.00	32.57	32	100	2638.17	276.00	2.2	607.20	3245.37
CB 032	1257	Bhartha Kalan	118	2.25	0.45	0.6	0.81	95.58	32.57	38	100	3113.04	325.68	2.2	716.50	3829.54
CB 033	1259	Bhartha Kalan	97	2.25	0.45	0.6	0.81	78.57	32.57	31	100	2559.02	267.72	2.2	588.98	3148.01
CB 034	1240	Bhartha Kalan	141	2.25	0.45	0.6	0.81	114.21	32.57	46	100	3719.82	389.16	2.2	856.15	4575.97
CB 035	1227	Bhartha Kalan	182	2.25	0.45	0.6	0.81	147.42	32.57	59	100	4801.47	502.32	2.2	1105.10	5906.57
CB 036	1219	Bhartha Kalan	103	2.25	0.45	0.6	0.81	83.43	32.57	33	100	2717.32	284.28	2.2	625.42	3342.73
CB 037	1293	Bhartha Kalan	435	2.25	0.45	0.6	0.81	352.35	32.57	141	100	11476.04	1200.60	2.2	2641.32	14117.36
CB 038	1348	Bhartha Kalan	126	2.25	0.45	0.6	0.81	102.06	32.57	41	100	3324.09	347.76	2.2	765.07	4089.17
CB 039	1344	Bhartha Kalan	360	2.25	0.45	0.6	0.81	291.60	32.57	117	100	9497.41	993.60	2.2	2185.92	11683.33
CB 040	1346	Bhartha Kalan	76	2.25	0.45	0.6	0.81	61.56	32.57	25	100	2005.01	209.76	2.2	461.47	2466.48
CB 041	1343	Bhartha Kalan	79	2.25	0.45	0.6	0.81	63.99	32.57	26	100	2084.15	218.04	2.2	479.69	2563.84
CB 042	1196	Bhartha Kalan	166	2.25	0.45	0.6	0.81	134.46	32.57	54	100	4379.36	458.16	2.2	1007.95	5387.31
CB 043	461	Bhartha Kalan	88	2.25	0.45	0.6	0.81	71.28	32.57	29	100	2321.59	242.88	2.2	534.34	2855.93
CB 044	462	Bhartha Kalan	83	2.25	0.45	0.6	0.81	67.23	32.57	27	100	2189.68	229.08	2.2	503.98	2693.66
CB 045	469	Bhartha Kalan	97	2.25	0.45	0.6	0.81	78.57	32.57	31	100	2559.02	267.72	2.2	588.98	3148.01
CB 047	476	Bhartha Kalan	73	2.25	0.45	0.6	0.81	59.13	32.57	24	100	1925.86	201.48	2.2	443.26	2369.12
CB 048	480	Bhartha Kalan	55	2.25	0.45	0.6	0.81	44.55	32.57	18	100	1450.99	151.80	2.2	333.96	1784.95
CB	481	Bhartha	70	2.25	0.45	0.6	0.81	56.70	32.57	23	100	1846.72	193.20	2.2	425.04	2271.76

049		Kalan														
CB 050	487	Bhartha Kalan	233	2.25	0.45	0.6	0.81	188.73	32.57	76	100	6146.94	643.08	2.2	1414.78	7561.71
CB 051	611	Bhartha Kalan	231	2.25	0.45	0.6	0.81	187.11	32.57	75	100	6094.17	637.56	2.2	1402.63	7496.80
CB 052	494	Bhartha Kalan	134	2.25	0.45	0.6	0.81	108.54	32.57	43	100	3535.15	369.84	2.2	813.65	4348.80
CB 053	539/1984	Bhartha Kalan	223	2.25	0.45	0.6	0.81	180.63	32.57	72	100	5883.12	615.48	2.2	1354.06	7237.18
CB 054	517	Bhartha Kalan	235	2.25	0.45	0.6	0.81	190.35	32.57	76	100	6199.70	648.60	2.2	1426.92	7626.62
CB 055	517	Bhartha Kalan	82	2.25	0.45	0.6	0.81	66.42	32.57	27	100	2163.30	226.32	2.2	497.90	2661.20
CB 056	539/1984	Bhartha Kalan	161	2.25	0.45	0.6	0.81	130.41	32.57	52	100	4247.45	444.36	2.2	977.59	5225.05
CB 058	559	Bhartha Kalan	295	2.25	0.45	0.6	0.81	238.95	32.57	96	100	7782.60	814.20	2.2	1791.24	9573.84
CB 059	654	Bhartha Kalan	218	2.25	0.45	0.6	0.81	176.58	32.57	71	100	5751.21	601.68	2.2	1323.70	7074.91
CB 060	657	Bhartha Kalan	247	2.25	0.45	0.6	0.81	200.07	32.57	80	100	6516.28	681.72	2.2	1499.78	8016.06
CB 061	658	Bhartha Kalan	97	2.25	0.45	0.6	0.81	78.57	32.57	31	100	2559.02	267.72	2.2	588.98	3148.01
CB 062	664	Bhartha Kalan	107	2.25	0.45	0.6	0.81	86.67	32.57	35	100	2822.84	295.32	2.2	649.70	3472.55
CB 063	727	Bhartha Kalan	76	2.25	0.45	0.6	0.81	61.56	32.57	25	100	2005.01	209.76	2.2	461.47	2466.48
CB 064	727	Bhartha Kalan	121	2.25	0.45	0.6	0.81	98.01	32.57	39	100	3192.19	333.96	2.2	734.71	3926.90
CB 065	662	Bhartha Kalan	67	2.25	0.45	0.6	0.81	54.27	32.57	22	100	1767.57	184.92	2.2	406.82	2174.40
CB 066	715	Bhartha Kalan	162	2.25	0.45	0.6	0.81	131.22	32.57	53	100	4273.84	447.12	2.2	983.66	5257.50
CB 067	767	Bhartha Kalan	159	2.25	0.45	0.6	0.81	128.79	32.57	52	100	4194.69	438.84	2.2	965.45	5160.14
CB 068	774	Bhartha Kalan	221	2.25	0.45	0.6	0.81	179.01	32.57	72	100	5830.36	609.96	2.2	1341.91	7172.27
CB 069	726	Bhartha Kalan	157	2.25	0.45	0.6	0.81	127.17	32.57	51	100	4141.93	433.32	2.2	953.30	5095.23
CB 070	817	Bhartha Kalan	45	2.25	0.45	0.6	0.81	36.45	32.57	15	100	1187.18	124.20	2.2	273.24	1460.42
CB 071	581	Bhartha Kalan	130	2.25	0.45	0.6	0.81	105.30	32.57	42	100	3429.62	358.80	2.2	789.36	4218.98
CB 072	578	Bhartha Kalan	108	2.25	0.45	0.6	0.81	87.48	32.57	35	100	2849.22	298.08	2.2	655.78	3505.00
CB 073	578	Bhartha Kalan	38	2.25	0.45	0.6	0.81	30.78	32.57	12	100	1002.50	104.88	2.2	230.74	1233.24
CB 074	582	Bhartha Kalan	121	2.25	0.45	0.6	0.81	98.01	32.57	39	100	3192.19	333.96	2.2	734.71	3926.90

CB 075	811	Bhartha Kalan	156	2.25	0.45	0.6	0.81	126.36	32.57	51	100	4115.55	430.56	2.2	947.23	5062.78
CB 076	617	Bhartha Kalan	233	2.25	0.45	0.6	0.81	188.73	32.57	76	100	6146.94	643.08	2.2	1414.78	7561.71
CB 077	1009	Bhartha Kalan	141	2.25	0.45	0.6	0.81	114.21	32.57	46	100	3719.82	389.16	2.2	856.15	4575.97
CB 078	630	Bhartha Kalan	263	2.25	0.45	0.6	0.81	213.03	32.57	85	100	6938.39	725.88	2.2	1596.94	8535.32
CB 079	637	Bhartha Kalan	164	2.25	0.45	0.6	0.81	132.84	32.57	53	100	4326.60	452.64	2.2	995.81	5322.41
CB 080	638	Bhartha Kalan	261	2.25	0.45	0.6	0.81	211.41	32.57	85	100	6885.62	720.36	2.2	1584.79	8470.42
CB 081	646	Bhartha Kalan	120	2.25	0.45	0.6	0.81	97.20	32.57	39	100	3165.80	331.20	2.2	728.64	3894.44
CB 082	646	Bhartha Kalan	295	2.25	0.45	0.6	0.81	238.95	32.57	96	100	7782.60	814.20	2.2	1791.24	9573.84
CB 083	1058	Bhartha Kalan	222	2.25	0.45	0.6	0.81	179.82	32.57	72	100	5856.74	612.72	2.2	1347.98	7204.72
CB 084	1083	Bhartha Kalan	483	2.25	0.45	0.6	0.81	391.23	32.57	157	100	12742.36	1333.08	2.2	2932.78	15675.14
CB 085	1083	Bhartha Kalan	149	2.25	0.45	0.6	0.81	120.69	32.57	48	100	3930.87	411.24	2.2	904.73	4835.60
CB 086	1083	Bhartha Kalan	52	2.25	0.45	0.6	0.81	42.12	32.57	17	100	1371.85	143.52	2.2	315.74	1687.59
CB 087	1075	Bhartha Kalan	130	2.25	0.45	0.6	0.81	105.30	32.57	42	100	3429.62	358.80	2.2	789.36	4218.98
CB 088	1129	Bhartha Kalan	129	2.25	0.45	0.6	0.81	104.49	32.57	42	100	3403.24	356.04	2.2	783.29	4186.53
CB 089	1121	Bhartha Kalan	311	2.25	0.45	0.6	0.81	251.91	32.57	101	100	8204.71	858.36	2.2	1888.39	10093.10
CB 090	1098	Bhartha Kalan	325	2.25	0.45	0.6	0.81	263.25	32.57	105	100	8574.05	897.00	2.2	1973.40	10547.45
CB 091	1117	Bhartha Kalan	262	2.25	0.45	0.6	0.81	212.22	32.57	85	100	6912.01	723.12	2.2	1590.86	8502.87
CB 092	1144	Bhartha Kalan	168	2.25	0.45	0.6	0.81	136.08	32.57	55	100	4432.13	463.68	2.2	1020.10	5452.22
CB 093	1141	Bhartha Kalan	121	2.25	0.45	0.6	0.81	98.01	32.57	39	100	3192.19	333.96	2.2	734.71	3926.90
CB 094	1149	Bhartha Kalan	122	2.25	0.45	0.6	0.81	98.82	32.57	40	100	3218.57	336.72	2.2	740.78	3959.35
CB 095	1149	Bhartha Kalan	137	2.25	0.45	0.6	0.81	110.97	32.57	44	100	3614.29	378.12	2.2	831.86	4446.16
CB 096	1155	Bhartha Kalan	49	2.25	0.45	0.6	0.81	39.69	32.57	16	100	1292.70	135.24	2.2	297.53	1590.23
CB 097	1156	Bhartha Kalan	127	2.25	0.45	0.6	0.81	102.87	32.57	41	100	3350.48	350.52	2.2	771.14	4121.62
CB 098	1117	Bhartha Kalan	350	2.25	0.45	0.6	0.81	283.50	32.57	114	100	9233.60	966.00	2.2	2125.20	11358.80
CB	1356	Bhartha	174	2.25	0.45	0.6	0.81	140.94	32.57	56	100	4590.42	480.24	2.2	1056.53	5646.94

099		Kalan														
CB 100	1359	Bhartha Kalan	67	2.25	0.45	0.6	0.81	54.27	32.57	22	100	1767.57	184.92	2.2	406.82	2174.40
CB 101	1570	Bhartha Kalan	173	2.25	0.45	0.6	0.81	140.13	32.57	56	100	4564.03	477.48	2.2	1050.46	5614.49
CB 102	1553	Bhartha Kalan	410	2.25	0.45	0.6	0.81	332.10	32.57	133	100	10816.50	1131.60	2.2	2489.52	13306.02
CB 103	1699	Bhartha Kalan	465	2.25	0.45	0.6	0.81	376.65	32.57	151	100	12267.49	1283.40	2.2	2823.48	15090.97
CB 104	1760	Bhartha Kalan	185	2.25	0.45	0.6	0.81	149.85	32.57	60	100	4880.61	510.60	2.2	1123.32	6003.93
CB 105	1797	Bhartha Kalan	129	2.25	0.45	0.6	0.81	104.49	32.57	42	100	3403.24	356.04	2.2	783.29	4186.53
CB 106	1811	Bhartha Kalan	202	2.25	0.45	0.6	0.81	163.62	32.57	66	100	5329.10	557.52	2.2	1226.54	6555.65
CB 107	1830	Bhartha Kalan	242	2.25	0.45	0.6	0.81	196.02	32.57	79	100	6384.37	667.92	2.2	1469.42	7853.80
CB 108	1839	Bhartha Kalan	188	2.25	0.45	0.6	0.81	152.28	32.57	61	100	4959.76	518.88	2.2	1141.54	6101.30
CB 109	1843	Bhartha Kalan	336	2.25	0.45	0.6	0.81	272.16	32.57	109	100	8864.25	927.36	2.2	2040.19	10904.44
CB 110	1813	Bhartha Kalan	148	2.25	0.45	0.6	0.81	119.88	32.57	48	100	3904.49	408.48	2.2	898.66	4803.15
CB 111	1847	Bhartha Kalan	305	2.25	0.45	0.6	0.81	247.05	32.57	99	100	8046.42	841.80	2.2	1851.96	9898.38
CB 112	1858	Bhartha Kalan	116	2.25	0.45	0.6	0.81	93.96	32.57	38	100	3060.28	320.16	2.2	704.35	3764.63
CB 113	1853	Bhartha Kalan	168	2.25	0.45	0.6	0.81	136.08	32.57	55	100	4432.13	463.68	2.2	1020.10	5452.22
CB 114	1858	Bhartha Kalan	150	2.25	0.45	0.6	0.81	121.50	32.57	49	100	3957.26	414.00	2.2	910.80	4868.06
CB 115	1864	Bhartha Kalan	126	2.25	0.45	0.6	0.81	102.06	32.57	41	100	3324.09	347.76	2.2	765.07	4089.17
CB 116	1858	Bhartha Kalan	90	2.25	0.45	0.6	0.81	72.90	32.57	29	100	2374.35	248.40	2.2	546.48	2920.83
CB 117	1858	Bhartha Kalan	141	2.25	0.45	0.6	0.81	114.21	32.57	46	100	3719.82	389.16	2.2	856.15	4575.97
CB 118	1879	Bhartha Kalan	196	2.25	0.45	0.6	0.81	158.76	32.57	64	100	5170.81	540.96	2.2	1190.11	6360.93
CB 119	1920	Bhartha Kalan	95	2.25	0.45	0.6	0.81	76.95	32.57	31	100	2506.26	262.20	2.2	576.84	3083.10
CB 120	1948	Bhartha Kalan	29	2.25	0.45	0.6	0.81	23.49	32.57	9	100	765.07	80.04	2.2	176.09	941.16
CB 121	1971	Bhartha Kalan	127	2.25	0.45	0.6	0.81	102.87	32.57	41	100	3350.48	350.52	2.2	771.14	4121.62
CB 122	1039	Bhartha Kalan	149	2.25	0.45	0.6	0.81	120.69	32.57	48	100	3930.87	411.24	2.2	904.73	4835.60
CB 123	1034	Bhartha Kalan	164	2.25	0.45	0.6	0.81	132.84	32.57	53	100	4326.60	452.64	2.2	995.81	5322.41

CB0 46	476	Bhartha Kalan	237	2.25	0.45	0.6	0.81	191.97	32.57	77	100	6252.46	654.12	2.2	1439.06	7691.53
CB0 57	531	Bhartha Kalan	252	2.25	0.45	0.6	0.81	204.12	32.57	82	100	6648.19	695.52	2.2	1530.14	8178.33
TOTAL			20504					16608.24		6654		540930.38	56591.04		124500.29	665430.66

ESTIMATE OF MARGINAL BUNDS- BHARTHA KALA														Soding Charges		
WORK	KH. No.	NAME OF GP	LENGTH	BASE	TOP	HIGHT	CS	EW	RATE	MD	L. CHARGES	T. COST	Sqr. Mtr.	RATE	S. AMOUNT	T. AMOUNT
MB 001	411	Bhartha Kalan	1415	3.6	0.6	1	2.10	2971.50	32.57	1099	100	96781.76	5943.00	2.2	13074.60	109856.36
MB 002	158	Bhartha Kalan	1466	3.6	0.6	1	2.10	3078.60	32.57	1138	100	100270.00	6157.20	2.2	13545.84	113815.84
MB 003	9	Bhartha Kalan	124	3.6	0.6	1	2.10	260.40	32.57	96	100	8481.23	520.80	2.2	1145.76	9626.99
MB 004	22	Bhartha Kalan	236	3.6	0.6	1	2.10	495.60	32.57	183	100	16141.69	991.20	2.2	2180.64	18322.33
MB 005	1248	Bhartha Kalan	489	3.6	0.6	1	2.10	1026.90	32.57	380	100	33446.13	2053.80	2.2	4518.36	37964.49
MB 006	1252	Bhartha Kalan	201	3.6	0.6	1	2.10	422.10	32.57	156	100	13747.80	844.20	2.2	1857.24	15605.04
MB 007	1259	Bhartha Kalan	191	3.6	0.6	1	2.10	401.10	32.57	148	100	13063.83	802.20	2.2	1764.84	14828.67
MB 008	1338	Bhartha Kalan	401	3.6	0.6	1	2.10	842.10	32.57	311	100	27427.20	1684.20	2.2	3705.24	31132.44
MB 009	1349	Bhartha Kalan	266	3.6	0.6	1	2.10	558.60	32.57	207	100	18193.60	1117.20	2.2	2457.84	20651.44
MB 010	1715	Bhartha Kalan	103	3.6	0.6	1	2.10	216.30	32.57	80	100	7044.89	432.60	2.2	951.72	7996.61
MB 011	1723	Bhartha Kalan	103	3.6	0.6	1	2.10	216.30	32.57	80	100	7044.89	432.60	2.2	951.72	7996.61
MB 012	1748	Bhartha Kalan	114	3.6	0.6	1	2.10	239.40	32.57	89	100	7797.26	478.80	2.2	1053.36	8850.62
MB 013	1752	Bhartha Kalan	131	3.6	0.6	1	2.10	275.10	32.57	102	100	8960.01	550.20	2.2	1210.44	10170.45
MB 014	1840	Bhartha Kalan	383	3.6	0.6	1	2.10	804.30	32.57	297	100	26196.05	1608.60	2.2	3538.92	29734.97
MB 015	1841	Bhartha Kalan	375	3.6	0.6	1	2.10	787.50	32.57	291	100	25648.88	1575.00	2.2	3465.00	29113.88
MB 016	1925	Bhartha Kalan	249	3.6	0.6	1	2.10	522.90	32.57	193	100	17030.85	1045.80	2.2	2300.76	19331.61
MB 017	1977/2007	Bhartha Kalan	425	3.6	0.6	1	2.10	892.50	32.57	330	100	29068.73	1785.00	2.2	3927.00	32995.73
MB 018	1853	Bhartha Kalan	359	3.6	0.6	1	2.10	753.90	32.57	279	100	24554.52	1507.80	2.2	3317.16	27871.68
MB 019	1051	Bhartha Kalan	364	3.6	0.6	1	2.10	764.40	32.57	283	100	24896.51	1528.80	2.2	3363.36	28259.87
MB 020	1051	Bhartha Kalan	164	3.6	0.6	1	2.10	344.40	32.57	127	100	11217.11	688.80	2.2	1515.36	12732.47
			7559					15873.90		5869		517012.92	31747.80		69845.16	586858.08

ESTIMATE OF MARGINAL BUNDS- BHARTHA KALA														Soding Charges		
WORK	KH. No.	NAME OF GP	LENGTH	BASE	TOP	HIGHT	CS	EW	RATE	MD	L. CHARGES	T. COST	Sqr. Mtr.	RATE	S. AMOUNT	T. AMOUNT
PB 001	1507	Bhartha Kalan	431	3.6	0.6	1	2.10	905.10	32.57	335	100	29479.11	1810.20	2.2	3982.44	33461.55
PB 002	1158	Bhartha Kalan	479	3.6	0.6	1	2.10	1005.90	32.57	372	100	32762.16	2011.80	2.2	4425.96	37188.12
PB 003	1883	Bhartha Kalan	498	3.6	0.6	1	2.10	1045.80	32.57	387	100	34061.71	2091.60	2.2	4601.52	38663.23
PB 004	1876	Bhartha Kalan	276	3.6	0.6	1	2.10	579.60	32.57	214	100	18877.57	1159.20	2.2	2550.24	21427.81
PB 005	1764	Bhartha Kalan	407	3.6	0.6	1	2.10	854.70	32.57	316	100	27837.58	1709.40	2.2	3760.68	31598.26
PB 006	1508	Bhartha Kalan	572	3.6	0.6	1	2.10	1201.20	32.57	444	100	39123.08	2402.40	2.2	5285.28	44408.36
TOTAL			2663					5592.30		2067		182141.21	11184.60		24606.12	206747.33

ESTIMATE OF MARGINAL BUNDS- BHARTHA KALA														Soding Charges		
WORK	KH. No.	NAME OF GP	LENGT H	BAS E	TO P	HIGH T	CS	EW	RAT E	MD	L. CHARGE S	T. COST	Sqr. Mtr.	RAT E	S. AMOUN T	T. AMOUN T
SB 001	107	Bhartha Kalan	138	4	2	1	3.00	414.00	32.57	152	100	13483.98	772.80	2.2	1700.16	15184.14
SB 002	98	Bhartha Kalan	32	4	2	1	3.00	96.00	32.57	35	100	3126.72	179.20	2.2	394.24	3520.96
SB 003	601	Bhartha Kalan	53	4	2	1	3.00	159.00	32.57	58	100	5178.63	296.80	2.2	652.96	5831.59
SB 004	539/1984	Bhartha Kalan	119	4	2	1	3.00	357.00	32.57	131	100	11627.49	666.40	2.2	1466.08	13093.57
SB 005	648	Bhartha Kalan	238	4	2	1	3.00	714.00	32.57	262	100	23254.98	1332.80	2.2	2932.16	26187.14
SB 006	620	Bhartha Kalan	49	4	2	1	3.00	147.00	32.57	54	100	4787.79	274.40	2.2	603.68	5391.47
SB 007	1695	Bhartha Kalan	274	4	2	1	3.00	822.00	32.57	301	100	26772.54	1534.40	2.2	3375.68	30148.22
SB 008	1817	Bhartha Kalan	175	4	2	1	3.00	525.00	32.57	193	100	17099.25	980.00	2.2	2156.00	19255.25
SB 009	1858	Bhartha Kalan	124	4	2	1	3.00	372.00	32.57	136	100	12116.04	694.40	2.2	1527.68	13643.72
SB 010	1858	Bhartha Kalan	108	4	2	1	3.00	324.00	32.57	119	100	10552.68	604.80	2.2	1330.56	11883.24
TOTAL			1310					3930.00		1441		128000.10	7336.00		16139.20	144139.30

ESTIMATE OF CONTOUR BUNDS- GHOLIYA													Soding Charges			
WORK	KH. No.	NAME OF GP	LENGTH	BASE	TOP	HIGHT	CS	EW	RATE	MD	L. CHARGES	T. COST	Sqr. Mtr.	RATE	S. AMOUNT	T. AMOUNT
CB 001	90	Gholia	200	2.25	0.45	0.6	0.81	162.00	32.57	65	100	5276.34	552.00	2.2	1214.40	6490.74
CB 002	99	Gholia	325	2.25	0.45	0.6	0.81	263.25	32.57	105	100	8574.05	897.00	2.2	1973.40	10547.45
CB 003	106	Gholia	339	2.25	0.45	0.6	0.81	274.59	32.57	110	100	8943.40	935.64	2.2	2058.41	11001.80
CB 004	686	Gholia	256	2.25	0.45	0.6	0.81	207.36	32.57	83	100	6753.72	706.56	2.2	1554.43	8308.15
CB 005	157	Gholia	199	2.25	0.45	0.6	0.81	161.19	32.57	65	100	5249.96	549.24	2.2	1208.33	6458.29
CB 006	664	Gholia	221	2.25	0.45	0.6	0.81	179.01	32.57	72	100	5830.36	609.96	2.2	1341.91	7172.27
CB 007	265	Gholia	147	2.25	0.45	0.6	0.81	119.07	32.57	48	100	3878.11	405.72	2.2	892.58	4770.69
CB 008	655	Gholia	190	2.25	0.45	0.6	0.81	153.90	32.57	62	100	5012.52	524.40	2.2	1153.68	6166.20
CB 009	652	Gholia	277	2.25	0.45	0.6	0.81	224.37	32.57	90	100	7307.73	764.52	2.2	1681.94	8989.67
CB 010	597	Gholia	325	2.25	0.45	0.6	0.81	263.25	32.57	105	100	8574.05	897.00	2.2	1973.40	10547.45
CB 011	505	Gholia	162	2.25	0.45	0.6	0.81	131.22	32.57	53	100	4273.84	447.12	2.2	983.66	5257.50
CB 012	510	Gholia	337	2.25	0.45	0.6	0.81	272.97	32.57	109	100	8890.63	930.12	2.2	2046.26	10936.90
CB 013	523	Gholia	167	2.25	0.45	0.6	0.81	135.27	32.57	54	100	4405.74	460.92	2.2	1014.02	5419.77
CB 014	529	Gholia	336	2.25	0.45	0.6	0.81	272.16	32.57	109	100	8864.25	927.36	2.2	2040.19	10904.44
CB 015	568	Gholia	348	2.25	0.45	0.6	0.81	281.88	32.57	113	100	9180.83	960.48	2.2	2113.06	11293.89
CB 016	553	Gholia	135	2.25	0.45	0.6	0.81	109.35	32.57	44	100	3561.53	372.60	2.2	819.72	4381.25
CB 017	558	Gholia	248	2.25	0.45	0.6	0.81	200.88	32.57	80	100	6542.66	684.48	2.2	1505.86	8048.52
CB 018	614	Gholia	335	2.25	0.45	0.6	0.81	271.35	32.57	109	100	8837.87	924.60	2.2	2034.12	10871.99
CB 019	906	Gholia	199	2.25	0.45	0.6	0.81	161.19	32.57	65	100	5249.96	549.24	2.2	1208.33	6458.29
CB 020	941	Gholia	170	2.25	0.45	0.6	0.81	137.70	32.57	55	100	4484.89	469.20	2.2	1032.24	5517.13
CB 021	944	Gholia	205	2.25	0.45	0.6	0.81	166.05	32.57	67	100	5408.25	565.80	2.2	1244.76	6653.01
CB 022	960	Gholia	221	2.25	0.45	0.6	0.81	179.01	32.57	72	100	5830.36	609.96	2.2	1341.91	7172.27
CB 023	979	Gholia	202	2.25	0.45	0.6	0.81	163.62	32.57	66	100	5329.10	557.52	2.2	1226.54	6555.65

CB 024	996	Gholia	140	2.25	0.45	0.6	0.81	113.40	32.57	45	100	3693.44	386.40	2.2	850.08	4543.52
CB 025	876	Gholia	116	2.25	0.45	0.6	0.81	93.96	32.57	38	100	3060.28	320.16	2.2	704.35	3764.63
CB 026	1002	Gholia	152	2.25	0.45	0.6	0.81	123.12	32.57	49	100	4010.02	419.52	2.2	922.94	4932.96
CB 027	1004	Gholia	132	2.25	0.45	0.6	0.81	106.92	32.57	43	100	3482.38	364.32	2.2	801.50	4283.89
CB 028	1140	Gholia	222	2.25	0.45	0.6	0.81	179.82	32.57	72	100	5856.74	612.72	2.2	1347.98	7204.72
CB 029	1142	Gholia	103	2.25	0.45	0.6	0.81	83.43	32.57	33	100	2717.32	284.28	2.2	625.42	3342.73
CB 030	P	Gholia	195	2.25	0.45	0.6	0.81	157.95	32.57	63	100	5144.43	538.20	2.2	1184.04	6328.47
CB 031	P	Gholia	178	2.25	0.45	0.6	0.81	144.18	32.57	58	100	4695.94	491.28	2.2	1080.82	5776.76
CB 032	1161	Gholia	224	2.25	0.45	0.6	0.81	181.44	32.57	73	100	5909.50	618.24	2.2	1360.13	7269.63
CB 033	1177	Gholia	224	2.25	0.45	0.6	0.81	181.44	32.57	73	100	5909.50	618.24	2.2	1360.13	7269.63
TOTAL			7230					5856.30		2346		190739.69	19954.80		43900.56	234640.25

ESTIMATE OF MARGINAL BUNDS- GHOLIYA													Soding Charges			
WORK	KH. No.	NAME OF GP	LENGTH	BAS E	TO P	HIGH T	CS	EW	RAT E	MD	L. CHARGE S	T. COST	Sqr. Mtr.	RAT E	S. AMOUNT	T. AMOUNT
MB 001	97	Gholia	472	3.6	0.6	1	2.10	991.20	32.57	366	100	32283.38	1982.40	2.2	4361.28	36644.66
MB 002	119	Gholia	203	3.6	0.6	1	2.10	426.30	32.57	158	100	13884.59	852.60	2.2	1875.72	15760.31
MB 003	796	Gholia	494	3.6	0.6	1	2.10	1037.40	32.57	384	100	33788.12	2074.80	2.2	4564.56	38352.68
MB 004	817	Gholia	276	3.6	0.6	1	2.10	579.60	32.57	214	100	18877.57	1159.20	2.2	2550.24	21427.81
MB 005		Gholia	181	3.6	0.6	1	2.10	380.10	32.57	141	100	12379.86	760.20	2.2	1672.44	14052.30
MB 006	558	Gholia	257	3.6	0.6	1	2.10	539.70	32.57	200	100	17578.03	1079.40	2.2	2374.68	19952.71
MB 007	562	Gholia	434	3.6	0.6	1	2.10	911.40	32.57	337	100	29684.30	1822.80	2.2	4010.16	33694.46
MB 008	611	Gholia	437	3.6	0.6	1	2.10	917.70	32.57	339	100	29889.49	1835.40	2.2	4037.88	33927.37
MB 009	910	Gholia	263	3.6	0.6	1	2.10	552.30	32.57	204	100	17988.41	1104.60	2.2	2430.12	20418.53
MB 010		Gholia	599	3.6	0.6	1	2.10	1257.90	32.57	465	100	40969.80	2515.80	2.2	5534.76	46504.56
MB 011	1087	Gholia	76	3.6	0.6	1	2.10	159.60	32.57	59	100	5198.17	319.20	2.2	702.24	5900.41
MB 012	1129	Gholia	214	3.6	0.6	1	2.10	449.40	32.57	166	100	14636.96	898.80	2.2	1977.36	16614.32
MB 013	1157	Gholia	210	3.6	0.6	1	2.10	441.00	32.57	163	100	14363.37	882.00	2.2	1940.40	16303.77
MB 014	P	Gholia	378	3.6	0.6	1	2.10	793.80	32.57	293	100	25854.07	1587.60	2.2	3492.72	29346.79
TOTAL			4494					9437.40		3489		307376.12	18874.80		41524.56	348900.68

ESTIMATE OF PERIPHERAL BUNDS- GHOLIYA													Soding Charges			
WORK	KH. No.	NAME OF GP	LENGTH	BASE	TOP	HIGHT	CS	EW	RATE	MD	L. CHARGES	T. COST	Sqr. Mtr.	RATE	S. AMOUNT	T. AMOUNT
PB 001	947	Gholia	198	3.6	0.6	1	2.10	415.80	32.57	154	100	13542.61	831.60	2.2	1829.52	15372.13
PB 002	942	Gholia	180	3.6	0.6	1	2.10	378.00	32.57	140	100	12311.46	756.00	2.2	1663.20	13974.66
PB 003	986	Gholia	603	3.6	0.6	1	2.10	1266.30	32.57	468	100	41243.39	2532.60	2.2	5571.72	46815.11
PB 004	P	Gholia	499	3.6	0.6	1	2.10	1047.90	32.57	387	100	34130.10	2095.80	2.2	4610.76	38740.86
PB 005	949	Gholia	460	3.6	0.6	1	2.10	966.00	32.57	357	100	31462.62	1932.00	2.2	4250.40	35713.02
TOTAL			1940					4074.00		1506		132690.18	8148.00		17925.60	150615.78

ESTIMATE OF CONTOUR BUNDS- HEMPUR													Soding Charges			
WORK	KH. No.	NAME OF GP	LENGTH	BASE	TOP	HIGHT	CS	EW	RATE	MD	L. CHARGES	T. COST	Sqr. Mtr.	RATE	S. AMOUNT	T. AMOUNT
CB 001	220	Hempur	133	2.25	0.45	0.6	0.81	107.73	32.57	43	100	3508.77	367.08	2.2	807.58	4316.34
CB 002	225	Hempur	199	2.25	0.45	0.6	0.81	161.19	32.57	65	100	5249.96	549.24	2.2	1208.33	6458.29
CB 003	224	Hempur	86	2.25	0.45	0.6	0.81	69.66	32.57	28	100	2268.83	237.36	2.2	522.19	2791.02
CB 004	232	Hempur	182	2.25	0.45	0.6	0.81	147.42	32.57	59	100	4801.47	502.32	2.2	1105.10	5906.57
CB 005		Hempur	87	2.25	0.45	0.6	0.81	70.47	32.57	28	100	2295.21	240.12	2.2	528.26	2823.47
CB 006	231	Hempur	86	2.25	0.45	0.6	0.81	69.66	32.57	28	100	2268.83	237.36	2.2	522.19	2791.02
CB 007	259	Hempur	277	2.25	0.45	0.6	0.81	224.37	32.57	90	100	7307.73	764.52	2.2	1681.94	8989.67
CB 008	255	Hempur	197	2.25	0.45	0.6	0.81	159.57	32.57	64	100	5197.19	543.72	2.2	1196.18	6393.38
CB 009	255	Hempur	275	2.25	0.45	0.6	0.81	222.75	32.57	89	100	7254.97	759.00	2.2	1669.80	8924.77
CB 010	259	Hempur	85	2.25	0.45	0.6	0.81	68.85	32.57	28	100	2242.44	234.60	2.2	516.12	2758.56
CB 011	258	Hempur	85	2.25	0.45	0.6	0.81	68.85	32.57	28	100	2242.44	234.60	2.2	516.12	2758.56
CB 012	243/2089	Hempur	271	2.25	0.45	0.6	0.81	219.51	32.57	88	100	7149.44	747.96	2.2	1645.51	8794.95
CB 013	240	Hempur	83	2.25	0.45	0.6	0.81	67.23	32.57	27	100	2189.68	229.08	2.2	503.98	2693.66
CB 014	243	Hempur	83	2.25	0.45	0.6	0.81	67.23	32.57	27	100	2189.68	229.08	2.2	503.98	2693.66
CB 015	243/2089	Hempur	83	2.25	0.45	0.6	0.81	67.23	32.57	27	100	2189.68	229.08	2.2	503.98	2693.66
CB 016	169	Hempur	152	2.25	0.45	0.6	0.81	123.12	32.57	49	100	4010.02	419.52	2.2	922.94	4932.96
CB 017	173	Hempur	83	2.25	0.45	0.6	0.81	67.23	32.57	27	100	2189.68	229.08	2.2	503.98	2693.66
CB 018	P	Hempur	100	2.25	0.45	0.6	0.81	81.00	32.57	32	100	2638.17	276.00	2.2	607.20	3245.37
CB 019	171	Hempur	178	2.25	0.45	0.6	0.81	144.18	32.57	58	100	4695.94	491.28	2.2	1080.82	5776.76
CB 020	192	Hempur	216	2.25	0.45	0.6	0.81	174.96	32.57	70	100	5698.45	596.16	2.2	1311.55	7010.00

CB 021	192	Hempur	85	2.25	0.4 5	0.6	0.8 1	68.85	32.5 7	28	100	2242.44	234.60	2.2	516.12	2758.56
CB 022	194	Hempur	133	2.25	0.4 5	0.6	0.8 1	107.73	32.5 7	43	100	3508.77	367.08	2.2	807.58	4316.34
CB 023	198	Hempur	207	2.25	0.4 5	0.6	0.8 1	167.67	32.5 7	67	100	5461.01	571.32	2.2	1256.90	6717.92
CB 024	195	Hempur	88	2.25	0.4 5	0.6	0.8 1	71.28	32.5 7	29	100	2321.59	242.88	2.2	534.34	2855.93
CB 025	196	Hempur	91	2.25	0.4 5	0.6	0.8 1	73.71	32.5 7	30	100	2400.73	251.16	2.2	552.55	2953.29
CB 026	198	Hempur	129	2.25	0.4 5	0.6	0.8 1	104.49	32.5 7	42	100	3403.24	356.04	2.2	783.29	4186.53
CB 027	168	Hempur	50	2.25	0.4 5	0.6	0.8 1	40.50	32.5 7	16	100	1319.09	138.00	2.2	303.60	1622.69
CB 028	P	Hempur	211	2.25	0.4 5	0.6	0.8 1	170.91	32.5 7	68	100	5566.54	582.36	2.2	1281.19	6847.73
CB 029	184	Hempur	101	2.25	0.4 5	0.6	0.8 1	81.81	32.5 7	33	100	2664.55	278.76	2.2	613.27	3277.82
CB 030	P	Hempur	95	2.25	0.4 5	0.6	0.8 1	76.95	32.5 7	31	100	2506.26	262.20	2.2	576.84	3083.10
CB 031	187	Hempur	144	2.25	0.4 5	0.6	0.8 1	116.64	32.5 7	47	100	3798.96	397.44	2.2	874.37	4673.33
CB 032	188	Hempur	145	2.25	0.4 5	0.6	0.8 1	117.45	32.5 7	47	100	3825.35	400.20	2.2	880.44	4705.79
CB 033	207	Hempur	198	2.25	0.4 5	0.6	0.8 1	160.38	32.5 7	64	100	5223.58	546.48	2.2	1202.26	6425.83
CB 034	204	Hempur	92	2.25	0.4 5	0.6	0.8 1	74.52	32.5 7	30	100	2427.12	253.92	2.2	558.62	2985.74
CB 035	207	Hempur	92	2.25	0.4 5	0.6	0.8 1	74.52	32.5 7	30	100	2427.12	253.92	2.2	558.62	2985.74
CB 036	209	Hempur	249	2.25	0.4 5	0.6	0.8 1	201.69	32.5 7	81	100	6569.04	687.24	2.2	1511.93	8080.97
CB 037	212	Hempur	80	2.25	0.4 5	0.6	0.8 1	64.80	32.5 7	26	100	2110.54	220.80	2.2	485.76	2596.30
CB 038	215	Hempur	80	2.25	0.4 5	0.6	0.8 1	64.80	32.5 7	26	100	2110.54	220.80	2.2	485.76	2596.30
CB 039	281	Hempur	153	2.25	0.4 5	0.6	0.8 1	123.93	32.5 7	50	100	4036.40	422.28	2.2	929.02	4965.42
CB 040	289	Hempur	291	2.25	0.4 5	0.6	0.8 1	235.71	32.5 7	94	100	7677.07	803.16	2.2	1766.95	9444.03
CB 041	281	Hempur	66	2.25	0.4 5	0.6	0.8 1	53.46	32.5 7	21	100	1741.19	182.16	2.2	400.75	2141.94
CB 042	281	Hempur	68	2.25	0.4 5	0.6	0.8 1	55.08	32.5 7	22	100	1793.96	187.68	2.2	412.90	2206.85

CB 043	355	Hempur	204	2.25	0.4 5	0.6	0.8 1	165.24	32.5 7	66	100	5381.87	563.04	2.2	1238.69	6620.55
CB 044	359	Hempur	200	2.25	0.4 5	0.6	0.8 1	162.00	32.5 7	65	100	5276.34	552.00	2.2	1214.40	6490.74
CB 045	359	Hempur	175	2.25	0.4 5	0.6	0.8 1	141.75	32.5 7	57	100	4616.80	483.00	2.2	1062.60	5679.40
CB 046	344	Hempur	456	2.25	0.4 5	0.6	0.8 1	369.36	32.5 7	148	100	12030.06	1258.56	2.2	2768.83	14798.89
CB 047	348	Hempur	42	2.25	0.4 5	0.6	0.8 1	34.02	32.5 7	14	100	1108.03	115.92	2.2	255.02	1363.06
CB 048	347	Hempur	36	2.25	0.4 5	0.6	0.8 1	29.16	32.5 7	12	100	949.74	99.36	2.2	218.59	1168.33
CB 049	308	Hempur	447	2.25	0.4 5	0.6	0.8 1	362.07	32.5 7	145	100	11792.62	1233.72	2.2	2714.18	14506.80
CB 050	396	Hempur	50	2.25	0.4 5	0.6	0.8 1	40.50	32.5 7	16	100	1319.09	138.00	2.2	303.60	1622.69
CB 051	395	Hempur	46	2.25	0.4 5	0.6	0.8 1	37.26	32.5 7	15	100	1213.56	126.96	2.2	279.31	1492.87
CB 052	451	Hempur	203	2.25	0.4 5	0.6	0.8 1	164.43	32.5 7	66	100	5355.49	560.28	2.2	1232.62	6588.10
CB 053	391	Hempur	45	2.25	0.4 5	0.6	0.8 1	36.45	32.5 7	15	100	1187.18	124.20	2.2	273.24	1460.42
CB 054	382	Hempur	77	2.25	0.4 5	0.6	0.8 1	62.37	32.5 7	25	100	2031.39	212.52	2.2	467.54	2498.93
CB 055	380	Hempur	84	2.25	0.4 5	0.6	0.8 1	68.04	32.5 7	27	100	2216.06	231.84	2.2	510.05	2726.11
CB 056	378	Hempur	123	2.25	0.4 5	0.6	0.8 1	99.63	32.5 7	40	100	3244.95	339.48	2.2	746.86	3991.81
CB 057	451	Hempur	158	2.25	0.4 5	0.6	0.8 1	127.98	32.5 7	51	100	4168.31	436.08	2.2	959.38	5127.68
CB 059	395	Hempur	294	2.25	0.4 5	0.6	0.8 1	238.14	32.5 7	95	100	7756.22	811.44	2.2	1785.17	9541.39
CB 060	415	Hempur	76	2.25	0.4 5	0.6	0.8 1	61.56	32.5 7	25	100	2005.01	209.76	2.2	461.47	2466.48
CB 061	415	Hempur	45	2.25	0.4 5	0.6	0.8 1	36.45	32.5 7	15	100	1187.18	124.20	2.2	273.24	1460.42
CB 062	450	Hempur	192	2.25	0.4 5	0.6	0.8 1	155.52	32.5 7	62	100	5065.29	529.92	2.2	1165.82	6231.11
CB 063	462	Hempur	88	2.25	0.4 5	0.6	0.8 1	71.28	32.5 7	29	100	2321.59	242.88	2.2	534.34	2855.93
CB 064	461	Hempur	134	2.25	0.4 5	0.6	0.8 1	108.54	32.5 7	43	100	3535.15	369.84	2.2	813.65	4348.80
CB 065	461	Hempur	88	2.25	0.4 5	0.6	0.8 1	71.28	32.5 7	29	100	2321.59	242.88	2.2	534.34	2855.93

CB 066	457	Hempur	86	2.25	0.4 5	0.6	0.8 1	69.66	32.5 7	28	100	2268.83	237.36	2.2	522.19	2791.02
CB 067	454	Hempur	84	2.25	0.4 5	0.6	0.8 1	68.04	32.5 7	27	100	2216.06	231.84	2.2	510.05	2726.11
CB 068	452	Hempur	86	2.25	0.4 5	0.6	0.8 1	69.66	32.5 7	28	100	2268.83	237.36	2.2	522.19	2791.02
CB 069	478/2042	Hempur	190	2.25	0.4 5	0.6	0.8 1	153.90	32.5 7	62	100	5012.52	524.40	2.2	1153.68	6166.20
CB 070	479	Hempur	299	2.25	0.4 5	0.6	0.8 1	242.19	32.5 7	97	100	7888.13	825.24	2.2	1815.53	9703.66
CB 071	479	Hempur	75	2.25	0.4 5	0.6	0.8 1	60.75	32.5 7	24	100	1978.63	207.00	2.2	455.40	2434.03
CB 072	471	Hempur	169	2.25	0.4 5	0.6	0.8 1	136.89	32.5 7	55	100	4458.51	466.44	2.2	1026.17	5484.68
CB 073	470	Hempur	169	2.25	0.4 5	0.6	0.8 1	136.89	32.5 7	55	100	4458.51	466.44	2.2	1026.17	5484.68
CB 074	468	Hempur	168	2.25	0.4 5	0.6	0.8 1	136.08	32.5 7	55	100	4432.13	463.68	2.2	1020.10	5452.22
CB 075	487	Hempur	99	2.25	0.4 5	0.6	0.8 1	80.19	32.5 7	32	100	2611.79	273.24	2.2	601.13	3212.92
CB 076	483	Hempur	276	2.25	0.4 5	0.6	0.8 1	223.56	32.5 7	90	100	7281.35	761.76	2.2	1675.87	8957.22
CB 077	481	Hempur	100	2.25	0.4 5	0.6	0.8 1	81.00	32.5 7	32	100	2638.17	276.00	2.2	607.20	3245.37
CB 078	1663	Hempur	109	2.25	0.4 5	0.6	0.8 1	88.29	32.5 7	35	100	2875.61	300.84	2.2	661.85	3537.45
CB 079	1664	Hempur	127	2.25	0.4 5	0.6	0.8 1	102.87	32.5 7	41	100	3350.48	350.52	2.2	771.14	4121.62
CB 080	1750	Hempur	243	2.25	0.4 5	0.6	0.8 1	196.83	32.5 7	79	100	6410.75	670.68	2.2	1475.50	7886.25
CB 081	1751	Hempur	104	2.25	0.4 5	0.6	0.8 1	84.24	32.5 7	34	100	2743.70	287.04	2.2	631.49	3375.18
CB 082	1761	Hempur	89	2.25	0.4 5	0.6	0.8 1	72.09	32.5 7	29	100	2347.97	245.64	2.2	540.41	2888.38
CB 083	1781	Hempur	826	2.25	0.4 5	0.6	0.8 1	669.06	32.5 7	268	100	21791.28	2279.76	2.2	5015.47	26806.76
CB 084	1790	Hempur	175	2.25	0.4 5	0.6	0.8 1	141.75	32.5 7	57	100	4616.80	483.00	2.2	1062.60	5679.40
CB 085	1790	Hempur	191	2.25	0.4 5	0.6	0.8 1	154.71	32.5 7	62	100	5038.90	527.16	2.2	1159.75	6198.66
CB 086	1771	Hempur	250	2.25	0.4 5	0.6	0.8 1	202.50	32.5 7	81	100	6595.43	690.00	2.2	1518.00	8113.43
CB 087	1768	Hempur	93	2.25	0.4 5	0.6	0.8 1	75.33	32.5 7	30	100	2453.50	256.68	2.2	564.70	3018.19

CB 088	1768	Hempur	92	2.25	0.4 5	0.6	0.8 1	74.52	32.5 7	30	100	2427.12	253.92	2.2	558.62	2985.74
CB 089	487	Hempur	312	2.25	0.4 5	0.6	0.8 1	252.72	32.5 7	101	100	8231.09	861.12	2.2	1894.46	10125.55
CB 090	522	Hempur	213	2.25	0.4 5	0.6	0.8 1	172.53	32.5 7	69	100	5619.30	587.88	2.2	1293.34	6912.64
CB 091	511	Hempur	87	2.25	0.4 5	0.6	0.8 1	70.47	32.5 7	28	100	2295.21	240.12	2.2	528.26	2823.47
CB 092	511/2086	Hempur	87	2.25	0.4 5	0.6	0.8 1	70.47	32.5 7	28	100	2295.21	240.12	2.2	528.26	2823.47
CB 092	504	Hempur	193	2.25	0.4 5	0.6	0.8 1	156.33	32.5 7	63	100	5091.67	532.68	2.2	1171.90	6263.56
CB 094	502	Hempur	55	2.25	0.4 5	0.6	0.8 1	44.55	32.5 7	18	100	1450.99	151.80	2.2	333.96	1784.95
CB 095	504	Hempur	54	2.25	0.4 5	0.6	0.8 1	43.74	32.5 7	18	100	1424.61	149.04	2.2	327.89	1752.50
CB 096	492	Hempur	128	2.25	0.4 5	0.6	0.8 1	103.68	32.5 7	42	100	3376.86	353.28	2.2	777.22	4154.07
CB 097	500	Hempur	125	2.25	0.4 5	0.6	0.8 1	101.25	32.5 7	41	100	3297.71	345.00	2.2	759.00	4056.71
CB 098	491	Hempur	129	2.25	0.4 5	0.6	0.8 1	104.49	32.5 7	42	100	3403.24	356.04	2.2	783.29	4186.53
CB 099	491	Hempur	89	2.25	0.4 5	0.6	0.8 1	72.09	32.5 7	29	100	2347.97	245.64	2.2	540.41	2888.38
CB 100	450	Hempur	249	2.25	0.4 5	0.6	0.8 1	201.69	32.5 7	81	100	6569.04	687.24	2.2	1511.93	8080.97
CB 101	449	Hempur	111	2.25	0.4 5	0.6	0.8 1	89.91	32.5 7	36	100	2928.37	306.36	2.2	673.99	3602.36
CB 102	449	Hempur	77	2.25	0.4 5	0.6	0.8 1	62.37	32.5 7	25	100	2031.39	212.52	2.2	467.54	2498.93
CB 103	406	Hempur	350	2.25	0.4 5	0.6	0.8 1	283.50	32.5 7	114	100	9233.60	966.00	2.2	2125.20	11358.80
CB 104	413	Hempur	55	2.25	0.4 5	0.6	0.8 1	44.55	32.5 7	18	100	1450.99	151.80	2.2	333.96	1784.95
CB 105	21	Hempur	640	2.25	0.4 5	0.6	0.8 1	518.40	32.5 7	208	100	16884.29	1766.40	2.2	3886.08	20770.37
CB 106	21	Hempur	108	2.25	0.4 5	0.6	0.8 1	87.48	32.5 7	35	100	2849.22	298.08	2.2	655.78	3505.00
CB 107	22	Hempur	103	2.25	0.4 5	0.6	0.8 1	83.43	32.5 7	33	100	2717.32	284.28	2.2	625.42	3342.73
CB 108	32	Hempur	252	2.25	0.4 5	0.6	0.8 1	204.12	32.5 7	82	100	6648.19	695.52	2.2	1530.14	8178.33
CB 109	31	Hempur	184	2.25	0.4 5	0.6	0.8 1	149.04	32.5 7	60	100	4854.23	507.84	2.2	1117.25	5971.48

CB 110	31	Hempur	180	2.25	0.4 5	0.6	0.8 1	145.80	32.5 7	58	100	4748.71	496.80	2.2	1092.96	5841.67
CB 111	27	Hempur	184	2.25	0.4 5	0.6	0.8 1	149.04	32.5 7	60	100	4854.23	507.84	2.2	1117.25	5971.48
CB 112	27	Hempur	130	2.25	0.4 5	0.6	0.8 1	105.30	32.5 7	42	100	3429.62	358.80	2.2	789.36	4218.98
CB 113	6	Hempur	97	2.25	0.4 5	0.6	0.8 1	78.57	32.5 7	31	100	2559.02	267.72	2.2	588.98	3148.01
CB 114	5	Hempur	96	2.25	0.4 5	0.6	0.8 1	77.76	32.5 7	31	100	2532.64	264.96	2.2	582.91	3115.56
CB 115	4	Hempur	96	2.25	0.4 5	0.6	0.8 1	77.76	32.5 7	31	100	2532.64	264.96	2.2	582.91	3115.56
CB 116	3	Hempur	96	2.25	0.4 5	0.6	0.8 1	77.76	32.5 7	31	100	2532.64	264.96	2.2	582.91	3115.56
CB 117	16	Hempur	169	2.25	0.4 5	0.6	0.8 1	136.89	32.5 7	55	100	4458.51	466.44	2.2	1026.17	5484.68
CB 118	15	Hempur	131	2.25	0.4 5	0.6	0.8 1	106.11	32.5 7	43	100	3456.00	361.56	2.2	795.43	4251.43
CB 119	9/2077	Hempur	136	2.25	0.4 5	0.6	0.8 1	110.16	32.5 7	44	100	3587.91	375.36	2.2	825.79	4413.70
CB 120	9/2077	Hempur	149	2.25	0.4 5	0.6	0.8 1	120.69	32.5 7	48	100	3930.87	411.24	2.2	904.73	4835.60
CB 121	44	Hempur	155	2.25	0.4 5	0.6	0.8 1	125.55	32.5 7	50	100	4089.16	427.80	2.2	941.16	5030.32
CB 122	40	Hempur	112	2.25	0.4 5	0.6	0.8 1	90.72	32.5 7	36	100	2954.75	309.12	2.2	680.06	3634.81
CB 123	49	Hempur	168	2.25	0.4 5	0.6	0.8 1	136.08	32.5 7	55	100	4432.13	463.68	2.2	1020.10	5452.22
CB 124	51	Hempur	122	2.25	0.4 5	0.6	0.8 1	98.82	32.5 7	40	100	3218.57	336.72	2.2	740.78	3959.35
CB 125	84	Hempur	213	2.25	0.4 5	0.6	0.8 1	172.53	32.5 7	69	100	5619.30	587.88	2.2	1293.34	6912.64
CB 126	57	Hempur	160	2.25	0.4 5	0.6	0.8 1	129.60	32.5 7	52	100	4221.07	441.60	2.2	971.52	5192.59
CB 127	58	Hempur	216	2.25	0.4 5	0.6	0.8 1	174.96	32.5 7	70	100	5698.45	596.16	2.2	1311.55	7010.00
CB 128	55	Hempur	154	2.25	0.4 5	0.6	0.8 1	124.74	32.5 7	50	100	4062.78	425.04	2.2	935.09	4997.87
CB 129	57	Hempur	156	2.25	0.4 5	0.6	0.8 1	126.36	32.5 7	51	100	4115.55	430.56	2.2	947.23	5062.78
CB 130	62	Hempur	63	2.25	0.4 5	0.6	0.8 1	51.03	32.5 7	20	100	1662.05	173.88	2.2	382.54	2044.58
CB 131	68	Hempur	316	2.25	0.4 5	0.6	0.8 1	255.96	32.5 7	103	100	8336.62	872.16	2.2	1918.75	10255.37

CB 132	68	Hempur	424	2.25	0.4 5	0.6	0.8 1	343.44	32.5 7	138	100	11185.84	1170.24	2.2	2574.53	13760.37
CB 133	78	Hempur	88	2.25	0.4 5	0.6	0.8 1	71.28	32.5 7	29	100	2321.59	242.88	2.2	534.34	2855.93
CB 134	66	Hempur	165	2.25	0.4 5	0.6	0.8 1	133.65	32.5 7	54	100	4352.98	455.40	2.2	1001.88	5354.86
CB 135	91	Hempur	213	2.25	0.4 5	0.6	0.8 1	172.53	32.5 7	69	100	5619.30	587.88	2.2	1293.34	6912.64
CB 136	92	Hempur	83	2.25	0.4 5	0.6	0.8 1	67.23	32.5 7	27	100	2189.68	229.08	2.2	503.98	2693.66
CB 137	92	Hempur	84	2.25	0.4 5	0.6	0.8 1	68.04	32.5 7	27	100	2216.06	231.84	2.2	510.05	2726.11
CB 138	96	Hempur	216	2.25	0.4 5	0.6	0.8 1	174.96	32.5 7	70	100	5698.45	596.16	2.2	1311.55	7010.00
CB 139	102	Hempur	212	2.25	0.4 5	0.6	0.8 1	171.72	32.5 7	69	100	5592.92	585.12	2.2	1287.26	6880.18
CB 140	103	Hempur	147	2.25	0.4 5	0.6	0.8 1	119.07	32.5 7	48	100	3878.11	405.72	2.2	892.58	4770.69
CB 141	103	Hempur	71	2.25	0.4 5	0.6	0.8 1	57.51	32.5 7	23	100	1873.10	195.96	2.2	431.11	2304.21
CB 142	140	Hempur	289	2.25	0.4 5	0.6	0.8 1	234.09	32.5 7	94	100	7624.31	797.64	2.2	1754.81	9379.12
CB 143	142	Hempur	138	2.25	0.4 5	0.6	0.8 1	111.78	32.5 7	45	100	3640.67	380.88	2.2	837.94	4478.61
CB 144	141	Hempur	85	2.25	0.4 5	0.6	0.8 1	68.85	32.5 7	28	100	2242.44	234.60	2.2	516.12	2758.56
CB 145	143	Hempur	83	2.25	0.4 5	0.6	0.8 1	67.23	32.5 7	27	100	2189.68	229.08	2.2	503.98	2693.66
CB 146	151	Hempur	185	2.25	0.4 5	0.6	0.8 1	149.85	32.5 7	60	100	4880.61	510.60	2.2	1123.32	6003.93
CB 147	151	Hempur	49	2.25	0.4 5	0.6	0.8 1	39.69	32.5 7	16	100	1292.70	135.24	2.2	297.53	1590.23
CB 148	137	Hempur	140	2.25	0.4 5	0.6	0.8 1	113.40	32.5 7	45	100	3693.44	386.40	2.2	850.08	4543.52
CB 149	133	Hempur	138	2.25	0.4 5	0.6	0.8 1	111.78	32.5 7	45	100	3640.67	380.88	2.2	837.94	4478.61
CB 150	133	Hempur	118	2.25	0.4 5	0.6	0.8 1	95.58	32.5 7	38	100	3113.04	325.68	2.2	716.50	3829.54
CB 151	P	Hempur	189	2.25	0.4 5	0.6	0.8 1	153.09	32.5 7	61	100	4986.14	521.64	2.2	1147.61	6133.75
CB 152	121	Hempur	74	2.25	0.4 5	0.6	0.8 1	59.94	32.5 7	24	100	1952.25	204.24	2.2	449.33	2401.57
CB 153	122	Hempur	73	2.25	0.4 5	0.6	0.8 1	59.13	32.5 7	24	100	1925.86	201.48	2.2	443.26	2369.12

CB 154	115	Hempur	234	2.25	0.4 5	0.6	0.8 1	189.54	32.5 7	76	100	6173.32	645.84	2.2	1420.85	7594.17
CB 155	116	Hempur	61	2.25	0.4 5	0.6	0.8 1	49.41	32.5 7	20	100	1609.28	168.36	2.2	370.39	1979.68
CB 156	154	Hempur	76	2.25	0.4 5	0.6	0.8 1	61.56	32.5 7	25	100	2005.01	209.76	2.2	461.47	2466.48
CB 157	154	Hempur	95	2.25	0.4 5	0.6	0.8 1	76.95	32.5 7	31	100	2506.26	262.20	2.2	576.84	3083.10
CB 158	537	Hempur	432	2.25	0.4 5	0.6	0.8 1	349.92	32.5 7	140	100	11396.89	1192.32	2.2	2623.10	14020.00
CB 159	565	Hempur	297	2.25	0.4 5	0.6	0.8 1	240.57	32.5 7	96	100	7835.36	819.72	2.2	1803.38	9638.75
CB 160	565	Hempur	276	2.25	0.4 5	0.6	0.8 1	223.56	32.5 7	90	100	7281.35	761.76	2.2	1675.87	8957.22
CB 161	879	Hempur	153	2.25	0.4 5	0.6	0.8 1	123.93	32.5 7	50	100	4036.40	422.28	2.2	929.02	4965.42
CB 162	879	Hempur	145	2.25	0.4 5	0.6	0.8 1	117.45	32.5 7	47	100	3825.35	400.20	2.2	880.44	4705.79
CB 163	885	Hempur	94	2.25	0.4 5	0.6	0.8 1	76.14	32.5 7	31	100	2479.88	259.44	2.2	570.77	3050.65
CB 164	871	Hempur	470	2.25	0.4 5	0.6	0.8 1	380.70	32.5 7	153	100	12399.40	1297.20	2.2	2853.84	15253.24
CB 165	P	Hempur	139	2.25	0.4 5	0.6	0.8 1	112.59	32.5 7	45	100	3667.06	383.64	2.2	844.01	4511.06
CB 166	898	Hempur	109	2.25	0.4 5	0.6	0.8 1	88.29	32.5 7	35	100	2875.61	300.84	2.2	661.85	3537.45
CB 167	609	Hempur	288	2.25	0.4 5	0.6	0.8 1	233.28	32.5 7	93	100	7597.93	794.88	2.2	1748.74	9346.67
CB 168	615	Hempur	90	2.25	0.4 5	0.6	0.8 1	72.90	32.5 7	29	100	2374.35	248.40	2.2	546.48	2920.83
CB 169	898	Hempur	113	2.25	0.4 5	0.6	0.8 1	91.53	32.5 7	37	100	2981.13	311.88	2.2	686.14	3667.27
CB 170	899	Hempur	92	2.25	0.4 5	0.6	0.8 1	74.52	32.5 7	30	100	2427.12	253.92	2.2	558.62	2985.74
CB 171	899	Hempur	103	2.25	0.4 5	0.6	0.8 1	83.43	32.5 7	33	100	2717.32	284.28	2.2	625.42	3342.73
CB 172	916	Hempur	186	2.25	0.4 5	0.6	0.8 1	150.66	32.5 7	60	100	4907.00	513.36	2.2	1129.39	6036.39
CB 173	916	Hempur	197	2.25	0.4 5	0.6	0.8 1	159.57	32.5 7	64	100	5197.19	543.72	2.2	1196.18	6393.38
CB 174	911	Hempur	88	2.25	0.4 5	0.6	0.8 1	71.28	32.5 7	29	100	2321.59	242.88	2.2	534.34	2855.93
CB 175	913	Hempur	127	2.25	0.4 5	0.6	0.8 1	102.87	32.5 7	41	100	3350.48	350.52	2.2	771.14	4121.62

CB 176	913	Hempur	68	2.25	0.4 5	0.6	0.8 1	55.08	32.5 7	22	100	1793.96	187.68	2.2	412.90	2206.85
CB 177	914	Hempur	80	2.25	0.4 5	0.6	0.8 1	64.80	32.5 7	26	100	2110.54	220.80	2.2	485.76	2596.30
CB 178	1029	Hempur	136	2.25	0.4 5	0.6	0.8 1	110.16	32.5 7	44	100	3587.91	375.36	2.2	825.79	4413.70
CB 179	1068	Hempur	181	2.25	0.4 5	0.6	0.8 1	146.61	32.5 7	59	100	4775.09	499.56	2.2	1099.03	5874.12
CB 180	1065	Hempur	126	2.25	0.4 5	0.6	0.8 1	102.06	32.5 7	41	100	3324.09	347.76	2.2	765.07	4089.17
CB 181	1068	Hempur	113	2.25	0.4 5	0.6	0.8 1	91.53	32.5 7	37	100	2981.13	311.88	2.2	686.14	3667.27
CB 182	1068	Hempur	96	2.25	0.4 5	0.6	0.8 1	77.76	32.5 7	31	100	2532.64	264.96	2.2	582.91	3115.56
CB 183	1068	Hempur	127	2.25	0.4 5	0.6	0.8 1	102.87	32.5 7	41	100	3350.48	350.52	2.2	771.14	4121.62
CB 184	1073	Hempur	131	2.25	0.4 5	0.6	0.8 1	106.11	32.5 7	43	100	3456.00	361.56	2.2	795.43	4251.43
CB 185	1042	Hempur	137	2.25	0.4 5	0.6	0.8 1	110.97	32.5 7	44	100	3614.29	378.12	2.2	831.86	4446.16
CB 186	1042	Hempur	63	2.25	0.4 5	0.6	0.8 1	51.03	32.5 7	20	100	1662.05	173.88	2.2	382.54	2044.58
CB 187	1049	Hempur	99	2.25	0.4 5	0.6	0.8 1	80.19	32.5 7	32	100	2611.79	273.24	2.2	601.13	3212.92
CB 188	1050	Hempur	99	2.25	0.4 5	0.6	0.8 1	80.19	32.5 7	32	100	2611.79	273.24	2.2	601.13	3212.92
CB 189	1051	Hempur	89	2.25	0.4 5	0.6	0.8 1	72.09	32.5 7	29	100	2347.97	245.64	2.2	540.41	2888.38
CB 190	1073	Hempur	42	2.25	0.4 5	0.6	0.8 1	34.02	32.5 7	14	100	1108.03	115.92	2.2	255.02	1363.06
CB 191	1058	Hempur	225	2.25	0.4 5	0.6	0.8 1	182.25	32.5 7	73	100	5935.88	621.00	2.2	1366.20	7302.08
CB 192	1457	Hempur	103	2.25	0.4 5	0.6	0.8 1	83.43	32.5 7	33	100	2717.32	284.28	2.2	625.42	3342.73
CB 193	1456	Hempur	51	2.25	0.4 5	0.6	0.8 1	41.31	32.5 7	17	100	1345.47	140.76	2.2	309.67	1655.14
CB 194	1572	Hempur	120	2.25	0.4 5	0.6	0.8 1	97.20	32.5 7	39	100	3165.80	331.20	2.2	728.64	3894.44
CB 195	1460	Hempur	50	2.25	0.4 5	0.6	0.8 1	40.50	32.5 7	16	100	1319.09	138.00	2.2	303.60	1622.69
CB 196	1467	Hempur	168	2.25	0.4 5	0.6	0.8 1	136.08	32.5 7	55	100	4432.13	463.68	2.2	1020.10	5452.22
CB 197	1468/205 1	Hempur	122	2.25	0.4 5	0.6	0.8 1	98.82	32.5 7	40	100	3218.57	336.72	2.2	740.78	3959.35

CB 198	1478/2072	Hempur	153	2.25	0.45	0.6	0.81	123.93	32.57	50	100	4036.40	422.28	2.2	929.02	4965.42
CB 199	1448/2071	Hempur	152	2.25	0.45	0.6	0.81	123.12	32.57	49	100	4010.02	419.52	2.2	922.94	4932.96
CB 200	P	Hempur	123	2.25	0.45	0.6	0.81	99.63	32.57	40	100	3244.95	339.48	2.2	746.86	3991.81
CB 201	P	Hempur	122	2.25	0.45	0.6	0.81	98.82	32.57	40	100	3218.57	336.72	2.2	740.78	3959.35
CB 202	989	Hempur	92	2.25	0.45	0.6	0.81	74.52	32.57	30	100	2427.12	253.92	2.2	558.62	2985.74
CB 203	989	Hempur	178	2.25	0.45	0.6	0.81	144.18	32.57	58	100	4695.94	491.28	2.2	1080.82	5776.76
CB 204	991	Hempur	177	2.25	0.45	0.6	0.81	143.37	32.57	57	100	4669.56	488.52	2.2	1074.74	5744.30
CB 205	991	Hempur	69	2.25	0.45	0.6	0.81	55.89	32.57	22	100	1820.34	190.44	2.2	418.97	2239.31
CB 206	1036	Hempur	191	2.25	0.45	0.6	0.81	154.71	32.57	62	100	5038.90	527.16	2.2	1159.75	6198.66
CB 207	1035	Hempur	191	2.25	0.45	0.6	0.81	154.71	32.57	62	100	5038.90	527.16	2.2	1159.75	6198.66
CB 208	1025	Hempur	169	2.25	0.45	0.6	0.81	136.89	32.57	55	100	4458.51	466.44	2.2	1026.17	5484.68
CB 209	1019	Hempur	166	2.25	0.45	0.6	0.81	134.46	32.57	54	100	4379.36	458.16	2.2	1007.95	5387.31
CB 210	1012	Hempur	67	2.25	0.45	0.6	0.81	54.27	32.57	22	100	1767.57	184.92	2.2	406.82	2174.40
CB 211	1008	Hempur	239	2.25	0.45	0.6	0.81	193.59	32.57	78	100	6305.23	659.64	2.2	1451.21	7756.43
CB 212	1004	Hempur	161	2.25	0.45	0.6	0.81	130.41	32.57	52	100	4247.45	444.36	2.2	977.59	5225.05
CB 213	1001	Hempur	160	2.25	0.45	0.6	0.81	129.60	32.57	52	100	4221.07	441.60	2.2	971.52	5192.59
CB 214	998	Hempur	104	2.25	0.45	0.6	0.81	84.24	32.57	34	100	2743.70	287.04	2.2	631.49	3375.18
CB 215	999	Hempur	90	2.25	0.45	0.6	0.81	72.90	32.57	29	100	2374.35	248.40	2.2	546.48	2920.83
CB 217	974	Hempur	145	2.25	0.45	0.6	0.81	117.45	32.57	47	100	3825.35	400.20	2.2	880.44	4705.79
CB 218	967	Hempur	153	2.25	0.45	0.6	0.81	123.93	32.57	50	100	4036.40	422.28	2.2	929.02	4965.42
CB 219	1114	Hempur	84	2.25	0.45	0.6	0.81	68.04	32.57	27	100	2216.06	231.84	2.2	510.05	2726.11
CB 220	1111	Hempur	82	2.25	0.45	0.6	0.81	66.42	32.57	27	100	2163.30	226.32	2.2	497.90	2661.20

CB 221	1111	Hempur	88	2.25	0.4 5	0.6	0.8 1	71.28	32.5 7	29	100	2321.59	242.88	2.2	534.34	2855.93
CB 222	1098	Hempur	107	2.25	0.4 5	0.6	0.8 1	86.67	32.5 7	35	100	2822.84	295.32	2.2	649.70	3472.55
CB 223	1103	Hempur	184	2.25	0.4 5	0.6	0.8 1	149.04	32.5 7	60	100	4854.23	507.84	2.2	1117.25	5971.48
CB 224	1103	Hempur	76	2.25	0.4 5	0.6	0.8 1	61.56	32.5 7	25	100	2005.01	209.76	2.2	461.47	2466.48
CB 225	1107	Hempur	83	2.25	0.4 5	0.6	0.8 1	67.23	32.5 7	27	100	2189.68	229.08	2.2	503.98	2693.66
CB 226	1107	Hempur	84	2.25	0.4 5	0.6	0.8 1	68.04	32.5 7	27	100	2216.06	231.84	2.2	510.05	2726.11
CB 227	1106	Hempur	92	2.25	0.4 5	0.6	0.8 1	74.52	32.5 7	30	100	2427.12	253.92	2.2	558.62	2985.74
CB 228	1339	Hempur	207	2.25	0.4 5	0.6	0.8 1	167.67	32.5 7	67	100	5461.01	571.32	2.2	1256.90	6717.92
CB 229	1339	Hempur	70	2.25	0.4 5	0.6	0.8 1	56.70	32.5 7	23	100	1846.72	193.20	2.2	425.04	2271.76
CB 230	1335	Hempur	72	2.25	0.4 5	0.6	0.8 1	58.32	32.5 7	23	100	1899.48	198.72	2.2	437.18	2336.67
CB 231	1328	Hempur	115	2.25	0.4 5	0.6	0.8 1	93.15	32.5 7	37	100	3033.90	317.40	2.2	698.28	3732.18
CB 232	1328	Hempur	142	2.25	0.4 5	0.6	0.8 1	115.02	32.5 7	46	100	3746.20	391.92	2.2	862.22	4608.43
CB 233	1093	Hempur	85	2.25	0.4 5	0.6	0.8 1	68.85	32.5 7	28	100	2242.44	234.60	2.2	516.12	2758.56
CB 234	1092	Hempur	66	2.25	0.4 5	0.6	0.8 1	53.46	32.5 7	21	100	1741.19	182.16	2.2	400.75	2141.94
CB 235	1092	Hempur	85	2.25	0.4 5	0.6	0.8 1	68.85	32.5 7	28	100	2242.44	234.60	2.2	516.12	2758.56
CB 236	P	Hempur	117	2.25	0.4 5	0.6	0.8 1	94.77	32.5 7	38	100	3086.66	322.92	2.2	710.42	3797.08
CB 237	1323	Hempur	87	2.25	0.4 5	0.6	0.8 1	70.47	32.5 7	28	100	2295.21	240.12	2.2	528.26	2823.47
CB 238	1516	Hempur	94	2.25	0.4 5	0.6	0.8 1	76.14	32.5 7	31	100	2479.88	259.44	2.2	570.77	3050.65
CB 239	1516	Hempur	73	2.25	0.4 5	0.6	0.8 1	59.13	32.5 7	24	100	1925.86	201.48	2.2	443.26	2369.12
CB 240	1530	Hempur	83	2.25	0.4 5	0.6	0.8 1	67.23	32.5 7	27	100	2189.68	229.08	2.2	503.98	2693.66
CB 241	1516	Hempur	93	2.25	0.4 5	0.6	0.8 1	75.33	32.5 7	30	100	2453.50	256.68	2.2	564.70	3018.19
CB 242	1521	Hempur	54	2.25	0.4 5	0.6	0.8 1	43.74	32.5 7	18	100	1424.61	149.04	2.2	327.89	1752.50

CB 243	1530	Hempur	82	2.25	0.4 5	0.6	0.8 1	66.42	32.5 7	27	100	2163.30	226.32	2.2	497.90	2661.20
CB 244	1528	Hempur	81	2.25	0.4 5	0.6	0.8 1	65.61	32.5 7	26	100	2136.92	223.56	2.2	491.83	2628.75
CB 245	1614/207 1	Hempur	145	2.25	0.4 5	0.6	0.8 1	117.45	32.5 7	47	100	3825.35	400.20	2.2	880.44	4705.79
CB 246	1529	Hempur	44	2.25	0.4 5	0.6	0.8 1	35.64	32.5 7	14	100	1160.79	121.44	2.2	267.17	1427.96
CB 247	1623	Hempur	107	2.25	0.4 5	0.6	0.8 1	86.67	32.5 7	35	100	2822.84	295.32	2.2	649.70	3472.55
CB 248	1623	Hempur	155	2.25	0.4 5	0.6	0.8 1	125.55	32.5 7	50	100	4089.16	427.80	2.2	941.16	5030.32
CB 249	1614	Hempur	191	2.25	0.4 5	0.6	0.8 1	154.71	32.5 7	62	100	5038.90	527.16	2.2	1159.75	6198.66
CB 250	1616	Hempur	57	2.25	0.4 5	0.6	0.8 1	46.17	32.5 7	18	100	1503.76	157.32	2.2	346.10	1849.86
CB 251	1616	Hempur	88	2.25	0.4 5	0.6	0.8 1	71.28	32.5 7	29	100	2321.59	242.88	2.2	534.34	2855.93
CB 252	1603	Hempur	82	2.25	0.4 5	0.6	0.8 1	66.42	32.5 7	27	100	2163.30	226.32	2.2	497.90	2661.20
CB 253	1601	Hempur	108	2.25	0.4 5	0.6	0.8 1	87.48	32.5 7	35	100	2849.22	298.08	2.2	655.78	3505.00
CB 254	1600	Hempur	136	2.25	0.4 5	0.6	0.8 1	110.16	32.5 7	44	100	3587.91	375.36	2.2	825.79	4413.70
CB 255	1599	Hempur	158	2.25	0.4 5	0.6	0.8 1	127.98	32.5 7	51	100	4168.31	436.08	2.2	959.38	5127.68
CB 256	1597	Hempur	91	2.25	0.4 5	0.6	0.8 1	73.71	32.5 7	30	100	2400.73	251.16	2.2	552.55	2953.29
CB 257	1596	Hempur	103	2.25	0.4 5	0.6	0.8 1	83.43	32.5 7	33	100	2717.32	284.28	2.2	625.42	3342.73
CB 258	1593	Hempur	128	2.25	0.4 5	0.6	0.8 1	103.68	32.5 7	42	100	3376.86	353.28	2.2	777.22	4154.07
CB 259	1592	Hempur	54	2.25	0.4 5	0.6	0.8 1	43.74	32.5 7	18	100	1424.61	149.04	2.2	327.89	1752.50
CB 260	1589	Hempur	89	2.25	0.4 5	0.6	0.8 1	72.09	32.5 7	29	100	2347.97	245.64	2.2	540.41	2888.38
CB 261	1576	Hempur	82	2.25	0.4 5	0.6	0.8 1	66.42	32.5 7	27	100	2163.30	226.32	2.2	497.90	2661.20
CB 262	1574	Hempur	151	2.25	0.4 5	0.6	0.8 1	122.31	32.5 7	49	100	3983.64	416.76	2.2	916.87	4900.51
CB 263	1574	Hempur	66	2.25	0.4 5	0.6	0.8 1	53.46	32.5 7	21	100	1741.19	182.16	2.2	400.75	2141.94
CB 264	1571	Hempur	160	2.25	0.4 5	0.6	0.8 1	129.60	32.5 7	52	100	4221.07	441.60	2.2	971.52	5192.59

CB 265	1566	Hempur	189	2.25	0.4 5	0.6	0.8 1	153.09	32.5 7	61	100	4986.14	521.64	2.2	1147.61	6133.75
CB 266	1566	Hempur	68	2.25	0.4 5	0.6	0.8 1	55.08	32.5 7	22	100	1793.96	187.68	2.2	412.90	2206.85
CB 268	1561	Hempur	54	2.25	0.4 5	0.6	0.8 1	43.74	32.5 7	18	100	1424.61	149.04	2.2	327.89	1752.50
CB 269	1561	Hempur	200	2.25	0.4 5	0.6	0.8 1	162.00	32.5 7	65	100	5276.34	552.00	2.2	1214.40	6490.74
CB 270	1561	Hempur	84	2.25	0.4 5	0.6	0.8 1	68.04	32.5 7	27	100	2216.06	231.84	2.2	510.05	2726.11
CB 271	1561	Hempur	124	2.25	0.4 5	0.6	0.8 1	100.44	32.5 7	40	100	3271.33	342.24	2.2	752.93	4024.26
CB 272	1550	Hempur	333	2.25	0.4 5	0.6	0.8 1	269.73	32.5 7	108	100	8785.11	919.08	2.2	2021.98	10807.08
CB 273	1548	Hempur	86	2.25	0.4 5	0.6	0.8 1	69.66	32.5 7	28	100	2268.83	237.36	2.2	522.19	2791.02
CB 274	1548	Hempur	49	2.25	0.4 5	0.6	0.8 1	39.69	32.5 7	16	100	1292.70	135.24	2.2	297.53	1590.23
CB 275	1550	Hempur	106	2.25	0.4 5	0.6	0.8 1	85.86	32.5 7	34	100	2796.46	292.56	2.2	643.63	3440.09
CB 276	1550	Hempur	78	2.25	0.4 5	0.6	0.8 1	63.18	32.5 7	25	100	2057.77	215.28	2.2	473.62	2531.39
CB 277	1544	Hempur	178	2.25	0.4 5	0.6	0.8 1	144.18	32.5 7	58	100	4695.94	491.28	2.2	1080.82	5776.76
CB 278	1544	Hempur	119	2.25	0.4 5	0.6	0.8 1	96.39	32.5 7	39	100	3139.42	328.44	2.2	722.57	3861.99
CB 279	1541	Hempur	120	2.25	0.4 5	0.6	0.8 1	97.20	32.5 7	39	100	3165.80	331.20	2.2	728.64	3894.44
CB 280	1541	Hempur	71	2.25	0.4 5	0.6	0.8 1	57.51	32.5 7	23	100	1873.10	195.96	2.2	431.11	2304.21
CB 281	1537	Hempur	73	2.25	0.4 5	0.6	0.8 1	59.13	32.5 7	24	100	1925.86	201.48	2.2	443.26	2369.12
CB 282	1534	Hempur	73	2.25	0.4 5	0.6	0.8 1	59.13	32.5 7	24	100	1925.86	201.48	2.2	443.26	2369.12
CB 283	1537	Hempur	173	2.25	0.4 5	0.6	0.8 1	140.13	32.5 7	56	100	4564.03	477.48	2.2	1050.46	5614.49
CB 284	1533	Hempur	51	2.25	0.4 5	0.6	0.8 1	41.31	32.5 7	17	100	1345.47	140.76	2.2	309.67	1655.14
CB 285	1536	Hempur	53	2.25	0.4 5	0.6	0.8 1	42.93	32.5 7	17	100	1398.23	146.28	2.2	321.82	1720.05
CB 286	1361	Hempur	158	2.25	0.4 5	0.6	0.8 1	127.98	32.5 7	51	100	4168.31	436.08	2.2	959.38	5127.68
CB 287	1361	Hempur	120	2.25	0.4 5	0.6	0.8 1	97.20	32.5 7	39	100	3165.80	331.20	2.2	728.64	3894.44

CB 288	1361	Hempur	50	2.25	0.4 5	0.6	0.8 1	40.50	32.5 7	16	100	1319.09	138.00	2.2	303.60	1622.69
CB 289	1738	Hempur	75	2.25	0.4 5	0.6	0.8 1	60.75	32.5 7	24	100	1978.63	207.00	2.2	455.40	2434.03
CB 290	1737	Hempur	91	2.25	0.4 5	0.6	0.8 1	73.71	32.5 7	30	100	2400.73	251.16	2.2	552.55	2953.29
CB 291	1732	Hempur	90	2.25	0.4 5	0.6	0.8 1	72.90	32.5 7	29	100	2374.35	248.40	2.2	546.48	2920.83
CB 292	1722	Hempur	72	2.25	0.4 5	0.6	0.8 1	58.32	32.5 7	23	100	1899.48	198.72	2.2	437.18	2336.67
CB 293	1718	Hempur	159	2.25	0.4 5	0.6	0.8 1	128.79	32.5 7	52	100	4194.69	438.84	2.2	965.45	5160.14
CB 294	1632	Hempur	59	2.25	0.4 5	0.6	0.8 1	47.79	32.5 7	19	100	1556.52	162.84	2.2	358.25	1914.77
CB 295	P	Hempur	78	2.25	0.4 5	0.6	0.8 1	63.18	32.5 7	25	100	2057.77	215.28	2.2	473.62	2531.39
CB 296	1307	Hempur	130	2.25	0.4 5	0.6	0.8 1	105.30	32.5 7	42	100	3429.62	358.80	2.2	789.36	4218.98
CB 297	1304	Hempur	32	2.25	0.4 5	0.6	0.8 1	25.92	32.5 7	10	100	844.21	88.32	2.2	194.30	1038.52
CB 298	1295	Hempur	39	2.25	0.4 5	0.6	0.8 1	31.59	32.5 7	13	100	1028.89	107.64	2.2	236.81	1265.69
CB 299	1296	Hempur	38	2.25	0.4 5	0.6	0.8 1	30.78	32.5 7	12	100	1002.50	104.88	2.2	230.74	1233.24
CB 300	1274	Hempur	150	2.25	0.4 5	0.6	0.8 1	121.50	32.5 7	49	100	3957.26	414.00	2.2	910.80	4868.06
CB 301	1275	Hempur	117	2.25	0.4 5	0.6	0.8 1	94.77	32.5 7	38	100	3086.66	322.92	2.2	710.42	3797.08
CB 302	1290	Hempur	89	2.25	0.4 5	0.6	0.8 1	72.09	32.5 7	29	100	2347.97	245.64	2.2	540.41	2888.38
CB 303	1290	Hempur	58	2.25	0.4 5	0.6	0.8 1	46.98	32.5 7	19	100	1530.14	160.08	2.2	352.18	1882.31
CB 304	1267	Hempur	151	2.25	0.4 5	0.6	0.8 1	122.31	32.5 7	49	100	3983.64	416.76	2.2	916.87	4900.51
CB 305	1266	Hempur	146	2.25	0.4 5	0.6	0.8 1	118.26	32.5 7	47	100	3851.73	402.96	2.2	886.51	4738.24
CB 306	1261	Hempur	130	2.25	0.4 5	0.6	0.8 1	105.30	32.5 7	42	100	3429.62	358.80	2.2	789.36	4218.98
CB 307	1261	Hempur	188	2.25	0.4 5	0.6	0.8 1	152.28	32.5 7	61	100	4959.76	518.88	2.2	1141.54	6101.30
CB 308	1259	Hempur	111	2.25	0.4 5	0.6	0.8 1	89.91	32.5 7	36	100	2928.37	306.36	2.2	673.99	3602.36
CB 309	P	Hempur	48	2.25	0.4 5	0.6	0.8 1	38.88	32.5 7	16	100	1266.32	132.48	2.2	291.46	1557.78

CB 310	1160	Hempur	128	2.25	0.4 5	0.6	0.8 1	103.68	32.5 7	42	100	3376.86	353.28	2.2	777.22	4154.07
CB 311	1160	Hempur	177	2.25	0.4 5	0.6	0.8 1	143.37	32.5 7	57	100	4669.56	488.52	2.2	1074.74	5744.30
CB 312	1160	Hempur	38	2.25	0.4 5	0.6	0.8 1	30.78	32.5 7	12	100	1002.50	104.88	2.2	230.74	1233.24
CB 313	1155	Hempur	208	2.25	0.4 5	0.6	0.8 1	168.48	32.5 7	68	100	5487.39	574.08	2.2	1262.98	6750.37
CB 314	1156	Hempur	56	2.25	0.4 5	0.6	0.8 1	45.36	32.5 7	18	100	1477.38	154.56	2.2	340.03	1817.41
CB 315	1644	Hempur	211	2.25	0.4 5	0.6	0.8 1	170.91	32.5 7	68	100	5566.54	582.36	2.2	1281.19	6847.73
CB 316	1654	Hempur	37	2.25	0.4 5	0.6	0.8 1	29.97	32.5 7	12	100	976.12	102.12	2.2	224.66	1200.79
CB 317	1654	Hempur	179	2.25	0.4 5	0.6	0.8 1	144.99	32.5 7	58	100	4722.32	494.04	2.2	1086.89	5809.21
CB 318	1673	Hempur	300	2.25	0.4 5	0.6	0.8 1	243.00	32.5 7	97	100	7914.51	828.00	2.2	1821.60	9736.11
CB 319	1653	Hempur	72	2.25	0.4 5	0.6	0.8 1	58.32	32.5 7	23	100	1899.48	198.72	2.2	437.18	2336.67
CB 320	1651	Hempur	194	2.25	0.4 5	0.6	0.8 1	157.14	32.5 7	63	100	5118.05	535.44	2.2	1177.97	6296.02
CB 321	1650	Hempur	91	2.25	0.4 5	0.6	0.8 1	73.71	32.5 7	30	100	2400.73	251.16	2.2	552.55	2953.29
CB 322	1924	Hempur	231	2.25	0.4 5	0.6	0.8 1	187.11	32.5 7	75	100	6094.17	637.56	2.2	1402.63	7496.80
CB 323	1704	Hempur	96	2.25	0.4 5	0.6	0.8 1	77.76	32.5 7	31	100	2532.64	264.96	2.2	582.91	3115.56
CB 324	P	Hempur	52	2.25	0.4 5	0.6	0.8 1	42.12	32.5 7	17	100	1371.85	143.52	2.2	315.74	1687.59
CB 325	1681	Hempur	300	2.25	0.4 5	0.6	0.8 1	243.00	32.5 7	97	100	7914.51	828.00	2.2	1821.60	9736.11
CB 326	1681	Hempur	185	2.25	0.4 5	0.6	0.8 1	149.85	32.5 7	60	100	4880.61	510.60	2.2	1123.32	6003.93
CB 327	1679	Hempur	158	2.25	0.4 5	0.6	0.8 1	127.98	32.5 7	51	100	4168.31	436.08	2.2	959.38	5127.68
CB 328	1690	Hempur	182	2.25	0.4 5	0.6	0.8 1	147.42	32.5 7	59	100	4801.47	502.32	2.2	1105.10	5906.57
CB 329	1687	Hempur	90	2.25	0.4 5	0.6	0.8 1	72.90	32.5 7	29	100	2374.35	248.40	2.2	546.48	2920.83
CB 330	1685	Hempur	185	2.25	0.4 5	0.6	0.8 1	149.85	32.5 7	60	100	4880.61	510.60	2.2	1123.32	6003.93
CB 331	1688	Hempur	188	2.25	0.4 5	0.6	0.8 1	152.28	32.5 7	61	100	4959.76	518.88	2.2	1141.54	6101.30

CB 332	1700	Hempur	106	2.25	0.4 5	0.6	0.8 1	85.86	32.5 7	34	100	2796.46	292.56	2.2	643.63	3440.09
CB 333	1709	Hempur	107	2.25	0.4 5	0.6	0.8 1	86.67	32.5 7	35	100	2822.84	295.32	2.2	649.70	3472.55
CB 334	1708	Hempur	83	2.25	0.4 5	0.6	0.8 1	67.23	32.5 7	27	100	2189.68	229.08	2.2	503.98	2693.66
CB 335	1708	Hempur	220	2.25	0.4 5	0.6	0.8 1	178.20	32.5 7	71	100	5803.97	607.20	2.2	1335.84	7139.81
CB 336	1707	Hempur	43	2.25	0.4 5	0.6	0.8 1	34.83	32.5 7	14	100	1134.41	118.68	2.2	261.10	1395.51
CB 337	1940	Hempur	85	2.25	0.4 5	0.6	0.8 1	68.85	32.5 7	28	100	2242.44	234.60	2.2	516.12	2758.56
CB 338	1940	Hempur	85	2.25	0.4 5	0.6	0.8 1	68.85	32.5 7	28	100	2242.44	234.60	2.2	516.12	2758.56
CB 339	1949	Hempur	399	2.25	0.4 5	0.6	0.8 1	323.19	32.5 7	129	100	10526.30	1101.24	2.2	2422.73	12949.03
CB 340	1957	Hempur	60	2.25	0.4 5	0.6	0.8 1	48.60	32.5 7	19	100	1582.90	165.60	2.2	364.32	1947.22
CB 341	1949	Hempur	58	2.25	0.4 5	0.6	0.8 1	46.98	32.5 7	19	100	1530.14	160.08	2.2	352.18	1882.31
CB 342	1956	Hempur	169	2.25	0.4 5	0.6	0.8 1	136.89	32.5 7	55	100	4458.51	466.44	2.2	1026.17	5484.68
CB 343	1959	Hempur	169	2.25	0.4 5	0.6	0.8 1	136.89	32.5 7	55	100	4458.51	466.44	2.2	1026.17	5484.68
CB 344	1728	Hempur	91	2.25	0.4 5	0.6	0.8 1	73.71	32.5 7	30	100	2400.73	251.16	2.2	552.55	2953.29
CB 345	1729	Hempur	84	2.25	0.4 5	0.6	0.8 1	68.04	32.5 7	27	100	2216.06	231.84	2.2	510.05	2726.11
CB 346	1715	Hempur	214	2.25	0.4 5	0.6	0.8 1	173.34	32.5 7	69	100	5645.68	590.64	2.2	1299.41	6945.09
CB 347	1711	Hempur	77	2.25	0.4 5	0.6	0.8 1	62.37	32.5 7	25	100	2031.39	212.52	2.2	467.54	2498.93
CB 348	1715	Hempur	81	2.25	0.4 5	0.6	0.8 1	65.61	32.5 7	26	100	2136.92	223.56	2.2	491.83	2628.75
CB 349	2005	Hempur	276	2.25	0.4 5	0.6	0.8 1	223.56	32.5 7	90	100	7281.35	761.76	2.2	1675.87	8957.22
CB 350	2005	Hempur	120	2.25	0.4 5	0.6	0.8 1	97.20	32.5 7	39	100	3165.80	331.20	2.2	728.64	3894.44
CB 351	2022	Hempur	87	2.25	0.4 5	0.6	0.8 1	70.47	32.5 7	28	100	2295.21	240.12	2.2	528.26	2823.47
CB 352	2021	Hempur	149	2.25	0.4 5	0.6	0.8 1	120.69	32.5 7	48	100	3930.87	411.24	2.2	904.73	4835.60
CB 353	P	Hempur	166	2.25	0.4 5	0.6	0.8 1	134.46	32.5 7	54	100	4379.36	458.16	2.2	1007.95	5387.31

CB 354	P	Hempur	131	2.25	0.4 5	0.6	0.8 1	106.11	32.5 7	43	100	3456.00	361.56	2.2	795.43	4251.43
CB 355	2033	Hempur	105	2.25	0.4 5	0.6	0.8 1	85.05	32.5 7	34	100	2770.08	289.80	2.2	637.56	3407.64
CB 356	2031	Hempur	93	2.25	0.4 5	0.6	0.8 1	75.33	32.5 7	30	100	2453.50	256.68	2.2	564.70	3018.19
CB 357	2022	Hempur	96	2.25	0.4 5	0.6	0.8 1	77.76	32.5 7	31	100	2532.64	264.96	2.2	582.91	3115.56
CB 358	2022	Hempur	91	2.25	0.4 5	0.6	0.8 1	73.71	32.5 7	30	100	2400.73	251.16	2.2	552.55	2953.29
CB 359	2031	Hempur	103	2.25	0.4 5	0.6	0.8 1	83.43	32.5 7	33	100	2717.32	284.28	2.2	625.42	3342.73
CB0 58	375	Hempur	47	2.25	0.4 5	0.6	0.8 1	38.07	32.5 7	15	100	1239.94	129.72	2.2	285.38	1525.32
CB2 16	999	Hempur	44	2.25	0.4 5	0.6	0.8 1	35.64	32.5 7	14	100	1160.79	121.44	2.2	267.17	1427.96
CB2 67	1565	Hempur	192	2.25	0.4 5	0.6	0.8 1	155.52	32.5 7	62	100	5065.29	529.92	2.2	1165.82	6231.11
TOTAL			49040					39722.4 0		1591 5		1293758.5 7	135350.4 0		297770.8 8	1591529.4 5

ESTIMATE OF MARGINAL BUNDS- HEMPUR														Soding Charges		
WOR K	KH. No.	NAME OF GP	LENGT H	BAS E	TO P	HIGH T	CS	EW	RAT E	MD	L. CHARGE S	T. COST	Sqr. Mtr.	RAT E	S. AMOUN T	T. AMOUNT
MB 001	1884	Hempur	415	3.6	0.6	1	2.1 0	871.50	32.57	322	100	28384.76	1743.0 0	2.2	3834.60	32219.36
MB 002	899	Hempur	775	3.6	0.6	1	2.1 0	1627.5 0	32.57	602	100	53007.68	3255.0 0	2.2	7161.00	60168.68
MB 003	1022	Hempur	793	3.6	0.6	1	2.1 0	1665.3 0	32.57	616	100	54238.82	3330.6 0	2.2	7327.32	61566.14
TOTAL			1983					4164.30		154 0		135631.2 5	8328.60		18322.92	153954.1 7

ESTIMATE OF PERIPHERAL BUNDS- HEMPUR														Soding Charges		
WOR K	KH. No.	NAME OF GP	LENGT H	BAS E	TO P	HIGH T	CS	EW	RAT E	MD	L. CHARG ES	T. COST	Sqr. Mtr.	RAT E	S. AMOUN T	T. AMOUN T
PB 001	1041	Hempur	1824	3.6	0.6	1	2.1 0	3830.4 0	32.5 7	141 6	100	124756. 13	7660.8 0	2.2	16853.7 6	141609. 89
PB 002	879	Hempur	1815	3.6	0.6	1	2.1 0	3811.5 0	32.5 7	140 9	100	124140. 56	7623.0 0	2.2	16770.6 0	140911. 16
TOTAL			3639					7641.9 0		282 5		248896.6 8	15283. 80		33624.3 6	282521.0 4

ESTIMATE OF SUMBERGENCE BUNDS- HEMPUR														Soding Charges		
WORK	KH. No.	NAME OF GP	LENGT H	BAS E	TO P	HIGH T	CS	EW	RAT E	MD	L. CHARG ES	T. COST	Sqr. Mtr.	RAT E	S. AMOU NT	T. AMOUN T
SB 001	232	Hempur	165	4	2	1	3.00	495.00	32.57	182	100	16122.15	924.00	2.2	2032.80	18154.95
SB 002	232	Hempur	321	4	2	1	3.00	963.00	32.57	353	100	31364.91	1797.60	2.2	3954.72	35319.63
SB 003	233	Hempur	111	4	2	1	3.00	333.00	32.57	122	100	10845.81	621.60	2.2	1367.52	12213.33
SB 004	243/2089	Hempur	333	4	2	1	3.00	999.00	32.57	366	100	32537.43	1864.80	2.2	4102.56	36639.99
SB 005	255	Hempur	243	4	2	1	3.00	729.00	32.57	267	100	23743.53	1360.80	2.2	2993.76	26737.29
SB 006	243/2089	Hempur	184	4	2	1	3.00	552.00	32.57	202	100	17978.64	1030.40	2.2	2266.88	20245.52
SB 007	290/2039	Hempur	289	4	2	1	3.00	867.00	32.57	318	100	28238.19	1618.40	2.2	3560.48	31798.67
SB 008	281	Hempur	260	4	2	1	3.00	780.00	32.57	286	100	25404.60	1456.00	2.2	3203.20	28607.80
SB 009	281	Hempur	232	4	2	1	3.00	696.00	32.57	255	100	22668.72	1299.20	2.2	2858.24	25526.96
SB 010	367	Hempur	200	4	2	1	3.00	600.00	32.57	220	100	19542.00	1120.00	2.2	2464.00	22006.00
SB 011	352	Hempur	73	4	2	1	3.00	219.00	32.57	80	100	7132.83	408.80	2.2	899.36	8032.19
SB 012	338	Hempur	291	4	2	1	3.00	873.00	32.57	320	100	28433.61	1629.60	2.2	3585.12	32018.73
SB 013	369	Hempur	108	4	2	1	3.00	324.00	32.57	119	100	10552.68	604.80	2.2	1330.56	11883.24
SB 014	398	Hempur	254	4	2	1	3.00	762.00	32.57	279	100	24818.34	1422.40	2.2	3129.28	27947.62
SB 015	397	Hempur	200	4	2	1	3.00	600.00	32.57	220	100	19542.00	1120.00	2.2	2464.00	22006.00
SB 016	452	Hempur	617	4	2	1	3.00	1851.00	32.57	679	100	60287.07	3455.20	2.2	7601.44	67888.51
SB	1757	Hempur	155	4	2	1	3.00	465.00	32.57	171	100	15145.05	868.00	2.2	1909.60	17054.65

017																
SB 018	1745	Hempur	36	4	2	1	3.0 0	108.00	32.5 7	40	100	3517.56	201.60	2.2	443.52	3961.08
SB 019	1745	Hempur	36	4	2	1	3.0 0	108.00	32.5 7	40	100	3517.56	201.60	2.2	443.52	3961.08
SB 020	465	Hempur	612	4	2	1	3.0 0	1836.0 0	32.5 7	673	100	59798.5 2	3427.2 0	2.2	7539.8 4	67338.3 6
TOTAL			4720					14160. 00		519 3		461191. 20	26432. 00		58150.4 0	519341. 60

ESTIMATE OF CONTOUR BUNDS- JAMUNI KALAN													Soding Charges			
WORK	KH. No.	NAME OF GP	LENGTH	BASE	TOP	HIGHT	CS	EW	RATE	MD	L. CHARGES	T. COST	Sqr. Mtr.	RATE	S. AMOUNT	T. AMOUNT
CB 001		Jamuni kalan	201	2.25	0.45	0.6	0.81	162.81	32.57	65	100	5302.72	554.76	2.2	1220.47	6523.19
CB 002	439	Jamuni kalan	311	2.25	0.45	0.6	0.81	251.91	32.57	101	100	8204.71	858.36	2.2	1888.39	10093.10
CB 003	439	Jamuni kalan	146	2.25	0.45	0.6	0.81	118.26	32.57	47	100	3851.73	402.96	2.2	886.51	4738.24
CB 004	442	Jamuni kalan	146	2.25	0.45	0.6	0.81	118.26	32.57	47	100	3851.73	402.96	2.2	886.51	4738.24
CB 005	448	Jamuni kalan	139	2.25	0.45	0.6	0.81	112.59	32.57	45	100	3667.06	383.64	2.2	844.01	4511.06
CB 006	451	Jamuni kalan	116	2.25	0.45	0.6	0.81	93.96	32.57	38	100	3060.28	320.16	2.2	704.35	3764.63
CB 007	457	Jamuni kalan	132	2.25	0.45	0.6	0.81	106.92	32.57	43	100	3482.38	364.32	2.2	801.50	4283.89
CB 008	455	Jamuni kalan	117	2.25	0.45	0.6	0.81	94.77	32.57	38	100	3086.66	322.92	2.2	710.42	3797.08
CB 009	471	Jamuni kalan	101	2.25	0.45	0.6	0.81	81.81	32.57	33	100	2664.55	278.76	2.2	613.27	3277.82
CB 010	P	Jamuni kalan	105	2.25	0.45	0.6	0.81	85.05	32.57	34	100	2770.08	289.80	2.2	637.56	3407.64
CB 011	P	Jamuni kalan	151	2.25	0.45	0.6	0.81	122.31	32.57	49	100	3983.64	416.76	2.2	916.87	4900.51
CB 012	P	Jamuni kalan	100	2.25	0.45	0.6	0.81	81.00	32.57	32	100	2638.17	276.00	2.2	607.20	3245.37
CB 013	P	Jamuni kalan	107	2.25	0.45	0.6	0.81	86.67	32.57	35	100	2822.84	295.32	2.2	649.70	3472.55
CB 014	P	Jamuni kalan	86	2.25	0.45	0.6	0.81	69.66	32.57	28	100	2268.83	237.36	2.2	522.19	2791.02
CB 016	556	Jamuni kalan	155	2.25	0.45	0.6	0.81	125.55	32.57	50	100	4089.16	427.80	2.2	941.16	5030.32
CB 017	557	Jamuni kalan	29	2.25	0.45	0.6	0.81	23.49	32.57	9	100	765.07	80.04	2.2	176.09	941.16
CB 018	553	Jamuni kalan	159	2.25	0.45	0.6	0.81	128.79	32.57	52	100	4194.69	438.84	2.2	965.45	5160.14
CB 019	558	Jamuni kalan	185	2.25	0.45	0.6	0.81	149.85	32.57	60	100	4880.61	510.60	2.2	1123.32	6003.93

CB 020	561	Jamuni kalan	109	2.25	0.4 5	0.6	0.8 1	88.29	32.5 7	35	100	2875.61	300.84	2.2	661.85	3537.45
CB 021	566	Jamuni kalan	97	2.25	0.4 5	0.6	0.8 1	78.57	32.5 7	31	100	2559.02	267.72	2.2	588.98	3148.01
CB 022	P	Jamuni kalan	132	2.25	0.4 5	0.6	0.8 1	106.92	32.5 7	43	100	3482.38	364.32	2.2	801.50	4283.89
CB 023	654	Jamuni kalan	250	2.25	0.4 5	0.6	0.8 1	202.50	32.5 7	81	100	6595.43	690.00	2.2	1518.00	8113.43
CB 024	646	Jamuni kalan	217	2.25	0.4 5	0.6	0.8 1	175.77	32.5 7	70	100	5724.83	598.92	2.2	1317.62	7042.45
CB 025	P	Jamuni kalan	102	2.25	0.4 5	0.6	0.8 1	82.62	32.5 7	33	100	2690.93	281.52	2.2	619.34	3310.28
CB 026	663	Jamuni kalan	145	2.25	0.4 5	0.6	0.8 1	117.45	32.5 7	47	100	3825.35	400.20	2.2	880.44	4705.79
CB 027	655	Jamuni kalan	116	2.25	0.4 5	0.6	0.8 1	93.96	32.5 7	38	100	3060.28	320.16	2.2	704.35	3764.63
CB 028	675/8 64	Jamuni kalan	167	2.25	0.4 5	0.6	0.8 1	135.27	32.5 7	54	100	4405.74	460.92	2.2	1014.02	5419.77
CB 029	P	Jamuni kalan	218	2.25	0.4 5	0.6	0.8 1	176.58	32.5 7	71	100	5751.21	601.68	2.2	1323.70	7074.91
CB 030	770	Jamuni kalan	263	2.25	0.4 5	0.6	0.8 1	213.03	32.5 7	85	100	6938.39	725.88	2.2	1596.94	8535.32
CB 031	768	Jamuni kalan	197	2.25	0.4 5	0.6	0.8 1	159.57	32.5 7	64	100	5197.19	543.72	2.2	1196.18	6393.38
CB 032	754	Jamuni kalan	137	2.25	0.4 5	0.6	0.8 1	110.97	32.5 7	44	100	3614.29	378.12	2.2	831.86	4446.16
CB 033	P	Jamuni kalan	517	2.25	0.4 5	0.6	0.8 1	418.77	32.5 7	168	100	13639.3 4	1426.9 2	2.2	3139.22	16778.5 6
CB 034	P	Jamuni kalan	414	2.25	0.4 5	0.6	0.8 1	335.34	32.5 7	134	100	10922.0 2	1142.6 4	2.2	2513.81	13435.8 3
CB 035	353	Jamuni kalan	381	2.25	0.4 5	0.6	0.8 1	308.61	32.5 7	124	100	10051.4 3	1051.5 6	2.2	2313.43	12364.8 6
CB 036	722	Jamuni kalan	109	2.25	0.4 5	0.6	0.8 1	88.29	32.5 7	35	100	2875.61	300.84	2.2	661.85	3537.45
CB 037	51	Jamuni kalan	179	2.25	0.4 5	0.6	0.8 1	144.99	32.5 7	58	100	4722.32	494.04	2.2	1086.89	5809.21
CB 038	42	Jamuni kalan	506	2.25	0.4 5	0.6	0.8 1	409.86	32.5 7	164	100	13349.1 4	1396.5 6	2.2	3072.43	16421.5 7
CB 039	88	Jamuni kalan	43	2.25	0.4 5	0.6	0.8 1	34.83	32.5 7	14	100	1134.41	118.68	2.2	261.10	1395.51

CB 040	55	Jamuni kalan	219	2.25	0.4 5	0.6	0.8 1	177.39	32.5 7	71	100	5777.59	604.44	2.2	1329.77	7107.36
CB 041	70	Jamuni kalan	190	2.25	0.4 5	0.6	0.8 1	153.90	32.5 7	62	100	5012.52	524.40	2.2	1153.68	6166.20
CB 042	66	Jamuni kalan	185	2.25	0.4 5	0.6	0.8 1	149.85	32.5 7	60	100	4880.61	510.60	2.2	1123.32	6003.93
CB 043	75	Jamuni kalan	121	2.25	0.4 5	0.6	0.8 1	98.01	32.5 7	39	100	3192.19	333.96	2.2	734.71	3926.90
CB 044	73	Jamuni kalan	96	2.25	0.4 5	0.6	0.8 1	77.76	32.5 7	31	100	2532.64	264.96	2.2	582.91	3115.56
CB 045	85	Jamuni kalan	40	2.25	0.4 5	0.6	0.8 1	32.40	32.5 7	13	100	1055.27	110.40	2.2	242.88	1298.15
CB 046	21	Jamuni kalan	515	2.25	0.4 5	0.6	0.8 1	417.15	32.5 7	167	100	13586.5 8	1421.4 0	2.2	3127.08	16713.6 6
CB 047	160	Jamuni kalan	128	2.25	0.4 5	0.6	0.8 1	103.68	32.5 7	42	100	3376.86	353.28	2.2	777.22	4154.07
CB 048	99	Jamuni kalan	198	2.25	0.4 5	0.6	0.8 1	160.38	32.5 7	64	100	5223.58	546.48	2.2	1202.26	6425.83
CB 049	P	Jamuni kalan	198	2.25	0.4 5	0.6	0.8 1	160.38	32.5 7	64	100	5223.58	546.48	2.2	1202.26	6425.83
CB 050	P	Jamuni kalan	191	2.25	0.4 5	0.6	0.8 1	154.71	32.5 7	62	100	5038.90	527.16	2.2	1159.75	6198.66
CB 051	108	Jamuni kalan	147	2.25	0.4 5	0.6	0.8 1	119.07	32.5 7	48	100	3878.11	405.72	2.2	892.58	4770.69
CB 052	113	Jamuni kalan	138	2.25	0.4 5	0.6	0.8 1	111.78	32.5 7	45	100	3640.67	380.88	2.2	837.94	4478.61
CB 053	116	Jamuni kalan	283	2.25	0.4 5	0.6	0.8 1	229.23	32.5 7	92	100	7466.02	781.08	2.2	1718.38	9184.40
CB 054	P	Jamuni kalan	91	2.25	0.4 5	0.6	0.8 1	73.71	32.5 7	30	100	2400.73	251.16	2.2	552.55	2953.29
CB 055	P	Jamuni kalan	176	2.25	0.4 5	0.6	0.8 1	142.56	32.5 7	57	100	4643.18	485.76	2.2	1068.67	5711.85
CB 056	P	Jamuni kalan	200	2.25	0.4 5	0.6	0.8 1	162.00	32.5 7	65	100	5276.34	552.00	2.2	1214.40	6490.74
CB 057	168	Jamuni kalan	152	2.25	0.4 5	0.6	0.8 1	123.12	32.5 7	49	100	4010.02	419.52	2.2	922.94	4932.96
CB 058		Jamuni kalan	165	2.25	0.4 5	0.6	0.8 1	133.65	32.5 7	54	100	4352.98	455.40	2.2	1001.88	5354.86
CB 059	P	Jamuni kalan	187	2.25	0.4 5	0.6	0.8 1	151.47	32.5 7	61	100	4933.38	516.12	2.2	1135.46	6068.84

CB 060	P	Jamuni kalan	154	2.25	0.4 5	0.6	0.8 1	124.74	32.5 7	50	100	4062.78	425.04	2.2	935.09	4997.87
CB 061	P	Jamuni kalan	109	2.25	0.4 5	0.6	0.8 1	88.29	32.5 7	35	100	2875.61	300.84	2.2	661.85	3537.45
CB 062	310	Jamuni kalan	221	2.25	0.4 5	0.6	0.8 1	179.01	32.5 7	72	100	5830.36	609.96	2.2	1341.91	7172.27
CB 063	315	Jamuni kalan	191	2.25	0.4 5	0.6	0.8 1	154.71	32.5 7	62	100	5038.90	527.16	2.2	1159.75	6198.66
CB 064	321	Jamuni kalan	71	2.25	0.4 5	0.6	0.8 1	57.51	32.5 7	23	100	1873.10	195.96	2.2	431.11	2304.21
CB 065		Jamuni kalan	194	2.25	0.4 5	0.6	0.8 1	157.14	32.5 7	63	100	5118.05	535.44	2.2	1177.97	6296.02
CB 066	P	Jamuni kalan	198	2.25	0.4 5	0.6	0.8 1	160.38	32.5 7	64	100	5223.58	546.48	2.2	1202.26	6425.83
CB 067	P	Jamuni kalan	37	2.25	0.4 5	0.6	0.8 1	29.97	32.5 7	12	100	976.12	102.12	2.2	224.66	1200.79
CB 068	P	Jamuni kalan	35	2.25	0.4 5	0.6	0.8 1	28.35	32.5 7	11	100	923.36	96.60	2.2	212.52	1135.88
CB 069	817	Jamuni kalan	218	2.25	0.4 5	0.6	0.8 1	176.58	32.5 7	71	100	5751.21	601.68	2.2	1323.70	7074.91
CB 070	P	Jamuni kalan	243	2.25	0.4 5	0.6	0.8 1	196.83	32.5 7	79	100	6410.75	670.68	2.2	1475.50	7886.25
CB 071	P	Jamuni kalan	132	2.25	0.4 5	0.6	0.8 1	106.92	32.5 7	43	100	3482.38	364.32	2.2	801.50	4283.89
CB 072	P	Jamuni kalan	141	2.25	0.4 5	0.6	0.8 1	114.21	32.5 7	46	100	3719.82	389.16	2.2	856.15	4575.97
CB 073	269	Jamuni kalan	170	2.25	0.4 5	0.6	0.8 1	137.70	32.5 7	55	100	4484.89	469.20	2.2	1032.24	5517.13
CB 074	253/8 58	Jamuni kalan	122	2.25	0.4 5	0.6	0.8 1	98.82	32.5 7	40	100	3218.57	336.72	2.2	740.78	3959.35
CB 075	243	Jamuni kalan	239	2.25	0.4 5	0.6	0.8 1	193.59	32.5 7	78	100	6305.23	659.64	2.2	1451.21	7756.43
CB 076	P	Jamuni kalan	332	2.25	0.4 5	0.6	0.8 1	268.92	32.5 7	108	100	8758.72	916.32	2.2	2015.90	10774.6 3
CB 115	557	Jamuni kalan	108	2.25	0.4 5	0.6	0.8 1	87.48	32.5 7	35	100	2849.22	298.08	2.2	655.78	3505.00
TOTAL			13320					10789. 20		432 3		351404. 24	36763. 20		80879.0 4	432283. 28

ESTIMATE OF MARGINAL BUNDS- JAMUNI KALAN														Soding Charges		
WORK	KH. No.	NAME OF GP	LENGTH	BAS E	TO P	HIGH T	CS	EW	RAT E	M D	L. CHARGE S	T. COST	Sqr. Mtr.	RAT E	S. AMOUNT	T. AMOUNT
MB 001	P	Jamuni kalan	364	3.6	0.6	1	2.10	764.40	32.57	283	100	24896.51	1528.80	2.2	3363.36	28259.87
MB 002	455	Jamuni kalan	194	3.6	0.6	1	2.10	407.40	32.57	151	100	13269.02	814.80	2.2	1792.56	15061.58
MB 003	460	Jamuni kalan	189	3.6	0.6	1	2.10	396.90	32.57	147	100	12927.03	793.80	2.2	1746.36	14673.39
TOTAL			747					1568.70		580		51092.56	3137.40		6902.28	57994.84

ESTIMATE OF PERIPHERAL BUNDS- JAMUNI KALAN														Soding Charges		
WORK	KH. No.	NAME OF GP	LENGTH	BASE	TOP	HIGHT	CS	EW	RATE	MD	L. CHARGES	T. COST	Sqr. Mtr.	RATE	S. AMOUNT	T. AMOUNT
PB 001	20/219	Jamuni kalan	141	3.6	0.6	1	2.10	296.10	32.57	109	100	9643.98	592.20	2.2	1302.84	10946.82
PB 002	81	Jamuni kalan	523	3.6	0.6	1	2.10	1098.30	32.57	406	100	35771.63	2196.60	2.2	4832.52	40604.15
PB 003	79	Jamuni kalan	78	3.6	0.6	1	2.10	163.80	32.57	61	100	5334.97	327.60	2.2	720.72	6055.69
PB 004	300	Jamuni kalan	227	3.6	0.6	1	2.10	476.70	32.57	176	100	15526.12	953.40	2.2	2097.48	17623.60
PB 005	P	Jamuni kalan	268	3.6	0.6	1	2.10	562.80	32.57	208	100	18330.40	1125.60	2.2	2476.32	20806.72
PB 006	P	Jamuni kalan	596	3.6	0.6	1	2.10	1251.60	32.57	463	100	40764.61	2503.20	2.2	5507.04	46271.65
PB 007	P	Jamuni kalan	599	3.6	0.6	1	2.10	1257.90	32.57	465	100	40969.80	2515.80	2.2	5534.76	46504.56
PB 008	P	Jamuni kalan	227	3.6	0.6	1	2.10	476.70	32.57	176	100	15526.12	953.40	2.2	2097.48	17623.60
PB 009	300	Jamuni kalan	253	3.6	0.6	1	2.10	531.30	32.57	196	100	17304.44	1062.60	2.2	2337.72	19642.16
PB 010	77	Jamuni kalan	190	3.6	0.6	1	2.10	399.00	32.57	148	100	12995.43	798.00	2.2	1755.60	14751.03
PB 011	66	Jamuni kalan	94	3.6	0.6	1	2.10	197.40	32.57	73	100	6429.32	394.80	2.2	868.56	7297.88
PB 012	66	Jamuni kalan	92	3.6	0.6	1	2.10	193.20	32.57	71	100	6292.52	386.40	2.2	850.08	7142.60
PB 013	77	Jamuni kalan	212	3.6	0.6	1	2.10	445.20	32.57	165	100	14500.16	890.40	2.2	1958.88	16459.04
PB 014	81	Jamuni kalan	213	3.6	0.6	1	2.10	447.30	32.57	165	100	14568.56	894.60	2.2	1968.12	16536.68
PB 015	87	Jamuni kalan	194	3.6	0.6	1	2.10	407.40	32.57	151	100	13269.02	814.80	2.2	1792.56	15061.58
PB 016	90	Jamuni kalan	66	3.6	0.6	1	2.10	138.60	32.57	51	100	4514.20	277.20	2.2	609.84	5124.04
PB 017	90	Jamuni kalan	161	3.6	0.6	1	2.10	338.10	32.57	125	100	11011.92	676.20	2.2	1487.64	12499.56
PB 018	P	Jamuni kalan	188	3.6	0.6	1	2.10	394.80	32.57	146	100	12858.64	789.60	2.2	1737.12	14595.76

PB 019	P	Jamuni kalan	180	3.6	0.6	1	2.1 0	378.00	32.5 7	14 0	100	12311.4 6	756.00	2.2	1663.20	13974.6 6
SB 001	643	Jamuni kalan	195	3.6	0.6	1	2.1 0	409.50	32.5 7	15 1	100	13337.4 2	819.00	2.2	1801.80	15139.2 2
TOTAL			4697					9863.7 0				321260. 71	19727. 40		43400.2 8	364660. 99

ESTIMATE OF CONTOUR BUNDS- PIPRAHAWA JOGA GAON													Soding Charges			
WORK	KH. No.	NAME OF GP	LENGTH	BAS E	TO P	HIGH T	CS	EW	RAT E	MD	L. CHARGE S	T. COST	Sqr. Mtr.	RAT E	S. AMOUN T	T. AMOUN T
CB 001	16	Piparhawa Joga Gaon	85	2.25	0.45	0.6	0.81	68.85	32.57	28	100	2242.44	234.60	2.2	516.12	2758.56
CB 002	18	Piparhawa Joga Gaon	118	2.25	0.45	0.6	0.81	95.58	32.57	38	100	3113.04	325.68	2.2	716.50	3829.54
CB 003	385	Piparhawa Joga Gaon	175	2.25	0.45	0.6	0.81	141.75	32.57	57	100	4616.80	483.00	2.2	1062.60	5679.40
CB 004	371	Piparhawa Joga Gaon	80	2.25	0.45	0.6	0.81	64.80	32.57	26	100	2110.54	220.80	2.2	485.76	2596.30
CB 005	376	Piparhawa Joga Gaon	80	2.25	0.45	0.6	0.81	64.80	32.57	26	100	2110.54	220.80	2.2	485.76	2596.30
CB 006	790	Piparhawa Joga Gaon	87	2.25	0.45	0.6	0.81	70.47	32.57	28	100	2295.21	240.12	2.2	528.26	2823.47
CB 007	768	Piparhawa Joga Gaon	76	2.25	0.45	0.6	0.81	61.56	32.57	25	100	2005.01	209.76	2.2	461.47	2466.48
CB 008	258	Piparhawa Joga Gaon	125	2.25	0.45	0.6	0.81	101.25	32.57	41	100	3297.71	345.00	2.2	759.00	4056.71
CB 009	259	Piparhawa Joga Gaon	123	2.25	0.45	0.6	0.81	99.63	32.57	40	100	3244.95	339.48	2.2	746.86	3991.81
CB 010	263	Piparhawa Joga Gaon	81	2.25	0.45	0.6	0.81	65.61	32.57	26	100	2136.92	223.56	2.2	491.83	2628.75
CB 011	1327	Piparhawa Joga Gaon	137	2.25	0.45	0.6	0.81	110.97	32.57	44	100	3614.29	378.12	2.2	831.86	4446.16
CB 012	1327	Piparhawa Joga Gaon	141	2.25	0.45	0.6	0.81	114.21	32.57	46	100	3719.82	389.16	2.2	856.15	4575.97
CB 013	1325	Piparhawa Joga Gaon	90	2.25	0.45	0.6	0.81	72.90	32.57	29	100	2374.35	248.40	2.2	546.48	2920.83
CB 014	1337	Piparhawa Joga Gaon	69	2.25	0.45	0.6	0.81	55.89	32.57	22	100	1820.34	190.44	2.2	418.97	2239.31
CB 015	1337	Piparhawa Joga Gaon	76	2.25	0.45	0.6	0.81	61.56	32.57	25	100	2005.01	209.76	2.2	461.47	2466.48
CB 016	1337	Piparhawa Joga Gaon	78	2.25	0.45	0.6	0.81	63.18	32.57	25	100	2057.77	215.28	2.2	473.62	2531.39
CB 017	914	Piparhawa Joga Gaon	55	2.25	0.45	0.6	0.81	44.55	32.57	18	100	1450.99	151.80	2.2	333.96	1784.95

CB 018	912	Piparhawa Joga Gaon	54	2.25	0.4 5	0.6	0.8 1	43.74	32.5 7	18	100	1424.6 1	149.04	2.2	327.89	1752.50
CB 019	816	Piparhawa Joga Gaon	266	2.25	0.4 5	0.6	0.8 1	215.46	32.5 7	86	100	7017.5 3	734.16	2.2	1615.15	8632.68
CB 020	769	Piparhawa Joga Gaon	76	2.25	0.4 5	0.6	0.8 1	61.56	32.5 7	25	100	2005.0 1	209.76	2.2	461.47	2466.48
CB 021	353	Piparhawa Joga Gaon	80	2.25	0.4 5	0.6	0.8 1	64.80	32.5 7	26	100	2110.5 4	220.80	2.2	485.76	2596.30
CB 022	356	Piparhawa Joga Gaon	81	2.25	0.4 5	0.6	0.8 1	65.61	32.5 7	26	100	2136.9 2	223.56	2.2	491.83	2628.75
CB 023	285	Piparhawa Joga Gaon	75	2.25	0.4 5	0.6	0.8 1	60.75	32.5 7	24	100	1978.6 3	207.00	2.2	455.40	2434.03
CB 024	294	Piparhawa Joga Gaon	47	2.25	0.4 5	0.6	0.8 1	38.07	32.5 7	15	100	1239.9 4	129.72	2.2	285.38	1525.32
CB 025	292	Piparhawa Joga Gaon	48	2.25	0.4 5	0.6	0.8 1	38.88	32.5 7	16	100	1266.3 2	132.48	2.2	291.46	1557.78
CB 026	313	Piparhawa Joga Gaon	124	2.25	0.4 5	0.6	0.8 1	100.44	32.5 7	40	100	3271.3 3	342.24	2.2	752.93	4024.26
CB 027	316	Piparhawa Joga Gaon	125	2.25	0.4 5	0.6	0.8 1	101.25	32.5 7	41	100	3297.7 1	345.00	2.2	759.00	4056.71
CB 028	316	Piparhawa Joga Gaon	127	2.25	0.4 5	0.6	0.8 1	102.87	32.5 7	41	100	3350.4 8	350.52	2.2	771.14	4121.62
CB 029	325	Piparhawa Joga Gaon	91	2.25	0.4 5	0.6	0.8 1	73.71	32.5 7	30	100	2400.7 3	251.16	2.2	552.55	2953.29
CB 030	328	Piparhawa Joga Gaon	77	2.25	0.4 5	0.6	0.8 1	62.37	32.5 7	25	100	2031.3 9	212.52	2.2	467.54	2498.93
CB 031	850	Piparhawa Joga Gaon	57	2.25	0.4 5	0.6	0.8 1	46.17	32.5 7	18	100	1503.7 6	157.32	2.2	346.10	1849.86
CB 032	852	Piparhawa Joga Gaon	65	2.25	0.4 5	0.6	0.8 1	52.65	32.5 7	21	100	1714.8 1	179.40	2.2	394.68	2109.49
CB 033	885	Piparhawa Joga Gaon	51	2.25	0.4 5	0.6	0.8 1	41.31	32.5 7	17	100	1345.4 7	140.76	2.2	309.67	1655.14
CB 034	886	Piparhawa Joga Gaon	52	2.25	0.4 5	0.6	0.8 1	42.12	32.5 7	17	100	1371.8 5	143.52	2.2	315.74	1687.59
TOTAL			3172					2569.3 2		102 9		83682.7 5	8754.7 2		19260.3 8	102943.1 4

ESTIMATE OF MARGINAL BUNDS- PIPRAHAWA JOGA GAON													Soding Charges			
WO RK	KH. No.	NAME OF GP	LENG TH	BA SE	TO P	HIG HT	CS	EW	RA TE	MD	L. CHAR GES	T. COST	Sqr. Mtr.	RA TE	S. AMOU NT	T. AMOU NT
MB 001	44	Piparhawa Joga Gaon	68	3.6	0.6	1	2.1 0	142.8 0	32.5 7	53	100	4651.00	285.60	2.2	628.32	5279.32
MB 002	49	Piparhawa Joga Gaon	84	3.6	0.6	1	2.1 0	176.4 0	32.5 7	65	100	5745.35	352.80	2.2	776.16	6521.51
MB 003	50	Piparhawa Joga Gaon	131	3.6	0.6	1	2.1 0	275.1 0	32.5 7	102	100	8960.01	550.20	2.2	1210.44	10170.4 5
MB 004	175	Piparhawa Joga Gaon	134	3.6	0.6	1	2.1 0	281.4 0	32.5 7	104	100	9165.20	562.80	2.2	1238.16	10403.3 6
MB 005	182	Piparhawa Joga Gaon	115	3.6	0.6	1	2.1 0	241.5 0	32.5 7	89	100	7865.66	483.00	2.2	1062.60	8928.26
MB 006	187	Piparhawa Joga Gaon	115	3.6	0.6	1	2.1 0	241.5 0	32.5 7	89	100	7865.66	483.00	2.2	1062.60	8928.26
MB 007	190	Piparhawa Joga Gaon	256	3.6	0.6	1	2.1 0	537.6 0	32.5 7	199	100	17509.6 3	1075.2 0	2.2	2365.44	19875.0 7
MB 008	409	Piparhawa Joga Gaon	166	3.6	0.6	1	2.1 0	348.6 0	32.5 7	129	100	11353.9 0	697.20	2.2	1533.84	12887.7 4
MB 009	393	Piparhawa Joga Gaon	197	3.6	0.6	1	2.1 0	413.7 0	32.5 7	153	100	13474.2 1	827.40	2.2	1820.28	15294.4 9
MB 010	409	Piparhawa Joga Gaon	263	3.6	0.6	1	2.1 0	552.3 0	32.5 7	204	100	17988.4 1	1104.6 0	2.2	2430.12	20418.5 3
MB 011	440	Piparhawa Joga Gaon	93	3.6	0.6	1	2.1 0	195.3 0	32.5 7	72	100	6360.92	390.60	2.2	859.32	7220.24
MB 012	440	Piparhawa Joga Gaon	92	3.6	0.6	1	2.1 0	193.2 0	32.5 7	71	100	6292.52	386.40	2.2	850.08	7142.60
MB 013	440	Piparhawa Joga Gaon	68	3.6	0.6	1	2.1 0	142.8 0	32.5 7	53	100	4651.00	285.60	2.2	628.32	5279.32
MB 014	428	Piparhawa Joga Gaon	142	3.6	0.6	1	2.1 0	298.2 0	32.5 7	110	100	9712.37	596.40	2.2	1312.08	11024.4 5
MB 015	431	Piparhawa Joga Gaon	133	3.6	0.6	1	2.1 0	279.3 0	32.5 7	103	100	9096.80	558.60	2.2	1228.92	10325.7 2
MB 016	430	Piparhawa Joga Gaon	60	3.6	0.6	1	2.1 0	126.0 0	32.5 7	47	100	4103.82	252.00	2.2	554.40	4658.22
MB 017	432	Piparhawa Joga Gaon	60	3.6	0.6	1	2.1 0	126.0 0	32.5 7	47	100	4103.82	252.00	2.2	554.40	4658.22
MB 018	436	Piparhawa Joga Gaon	145	3.6	0.6	1	2.1 0	304.5 0	32.5 7	113	100	9917.57	609.00	2.2	1339.80	11257.3 7
MB 019	489	Piparhawa Joga Gaon	232	3.6	0.6	1	2.1 0	487.2 0	32.5 7	180	100	15868.1 0	974.40	2.2	2143.68	18011.7 8

MB 020	489	Piparhawa Joga Gaon	62	3.6	0.6	1	2.1 0	130.2 0	32.5 7	48	100	4240.61	260.40	2.2	572.88	4813.49
MB 021	515	Piparhawa Joga Gaon	388	3.6	0.6	1	2.1 0	814.8 0	32.5 7	301	100	26538.0 4	1629.6 0	2.2	3585.12	30123.1 6
MB 022	520	Piparhawa Joga Gaon	55	3.6	0.6	1	2.1 0	115.5 0	32.5 7	43	100	3761.84	231.00	2.2	508.20	4270.04
MB 023	515	Piparhawa Joga Gaon	105	3.6	0.6	1	2.1 0	220.5 0	32.5 7	82	100	7181.69	441.00	2.2	970.20	8151.89
MB 024	528	Piparhawa Joga Gaon	138	3.6	0.6	1	2.1 0	289.8 0	32.5 7	107	100	9438.79	579.60	2.2	1275.12	10713.9 1
MB 025	528	Piparhawa Joga Gaon	146	3.6	0.6	1	2.1 0	306.6 0	32.5 7	113	100	9985.96	613.20	2.2	1349.04	11335.0 0
MB 026	572	Piparhawa Joga Gaon	240	3.6	0.6	1	2.1 0	504.0 0	32.5 7	186	100	16415.2 8	1008.0 0	2.2	2217.60	18632.8 8
MB 027	572	Piparhawa Joga Gaon	78	3.6	0.6	1	2.1 0	163.8 0	32.5 7	61	100	5334.97	327.60	2.2	720.72	6055.69
MB 028	573	Piparhawa Joga Gaon	76	3.6	0.6	1	2.1 0	159.6 0	32.5 7	59	100	5198.17	319.20	2.2	702.24	5900.41
MB 029	574	Piparhawa Joga Gaon	75	3.6	0.6	1	2.1 0	157.5 0	32.5 7	58	100	5129.78	315.00	2.2	693.00	5822.78
MB 030	553	Piparhawa Joga Gaon	239	3.6	0.6	1	2.1 0	501.9 0	32.5 7	186	100	16346.8 8	1003.8 0	2.2	2208.36	18555.2 4
MB 031	575	Piparhawa Joga Gaon	56	3.6	0.6	1	2.1 0	117.6 0	32.5 7	43	100	3830.23	235.20	2.2	517.44	4347.67
MB 032	572	Piparhawa Joga Gaon	56	3.6	0.6	1	2.1 0	117.6 0	32.5 7	43	100	3830.23	235.20	2.2	517.44	4347.67
MB 033	572	Piparhawa Joga Gaon	56	3.6	0.6	1	2.1 0	117.6 0	32.5 7	43	100	3830.23	235.20	2.2	517.44	4347.67
MB 034	578	Piparhawa Joga Gaon	140	3.6	0.6	1	2.1 0	294.0 0	32.5 7	109	100	9575.58	588.00	2.2	1293.60	10869.1 8
MB 035	580	Piparhawa Joga Gaon	496	3.6	0.6	1	2.1 0	1041.60	32.5 7	385	100	33924.9 1	2083.2 0	2.2	4583.04	38507.9 5
MB 036	578/1 399	Piparhawa Joga Gaon	117	3.6	0.6	1	2.1 0	245.7 0	32.5 7	91	100	8002.45	491.40	2.2	1081.08	9083.53
MB 037	578/1 400	Piparhawa Joga Gaon	116	3.6	0.6	1	2.1 0	243.6 0	32.5 7	90	100	7934.05	487.20	2.2	1071.84	9005.89
MB 038	1173	Piparhawa Joga Gaon	461	3.6	0.6	1	2.1 0	968.1 0	32.5 7	358	100	31531.0 2	1936.2 0	2.2	4259.64	35790.6 6
MB 039	598	Piparhawa Joga Gaon	167	3.6	0.6	1	2.1 0	350.7 0	32.5 7	130	100	11422.3 0	701.40	2.2	1543.08	12965.3 8
MB 040	604	Piparhawa Joga Gaon	240	3.6	0.6	1	2.1 0	504.0 0	32.5 7	186	100	16415.2 8	1008.0 0	2.2	2217.60	18632.8 8

MB 041	604	Piparhawa Joga Gaon	248	3.6	0.6	1	2.1 0	520.8 0	32.5 7	193	100	16962.4 6	1041.6 0	2.2	2291.52	19253.9 8
MB 042	609	Piparhawa Joga Gaon	248	3.6	0.6	1	2.1 0	520.8 0	32.5 7	193	100	16962.4 6	1041.6 0	2.2	2291.52	19253.9 8
MB 043	1183	Piparhawa Joga Gaon	299	3.6	0.6	1	2.1 0	627.9 0	32.5 7	232	100	20450.7 0	1255.8 0	2.2	2762.76	23213.4 6
MB 044	1182	Piparhawa Joga Gaon	276	3.6	0.6	1	2.1 0	579.6 0	32.5 7	214	100	18877.5 7	1159.2 0	2.2	2550.24	21427.8 1
MB 045	1165	Piparhawa Joga Gaon	86	3.6	0.6	1	2.1 0	180.6 0	32.5 7	67	100	5882.14	361.20	2.2	794.64	6676.78
MB 046	1163	Piparhawa Joga Gaon	87	3.6	0.6	1	2.1 0	182.7 0	32.5 7	68	100	5950.54	365.40	2.2	803.88	6754.42
MB 047	1151	Piparhawa Joga Gaon	138	3.6	0.6	1	2.1 0	289.8 0	32.5 7	107	100	9438.79	579.60	2.2	1275.12	10713.9 1
MB 048	1155	Piparhawa Joga Gaon	131	3.6	0.6	1	2.1 0	275.1 0	32.5 7	102	100	8960.01	550.20	2.2	1210.44	10170.4 5
MB 049	1155	Piparhawa Joga Gaon	146	3.6	0.6	1	2.1 0	306.6 0	32.5 7	113	100	9985.96	613.20	2.2	1349.04	11335.0 0
MB 050	766	Piparhawa Joga Gaon	41	3.6	0.6	1	2.1 0	86.10	32.5 7	32	100	2804.28	172.20	2.2	378.84	3183.12
MB 051	764	Piparhawa Joga Gaon	139	3.6	0.6	1	2.1 0	291.9 0	32.5 7	108	100	9507.18	583.80	2.2	1284.36	10791.5 4
MB 052	760	Piparhawa Joga Gaon	84	3.6	0.6	1	2.1 0	176.4 0	32.5 7	65	100	5745.35	352.80	2.2	776.16	6521.51
MB 053	786	Piparhawa Joga Gaon	178	3.6	0.6	1	2.1 0	373.8 0	32.5 7	138	100	12174.6 7	747.60	2.2	1644.72	13819.3 9
MB 054	758	Piparhawa Joga Gaon	54	3.6	0.6	1	2.1 0	113.4 0	32.5 7	42	100	3693.44	226.80	2.2	498.96	4192.40
MB 055	750	Piparhawa Joga Gaon	300	3.6	0.6	1	2.1 0	630.0 0	32.5 7	233	100	20519.1 0	1260.0 0	2.2	2772.00	23291.1 0
MB 056	752/1 408	Piparhawa Joga Gaon	130	3.6	0.6	1	2.1 0	273.0 0	32.5 7	101	100	8891.61	546.00	2.2	1201.20	10092.8 1
MB 057	752/1 408	Piparhawa Joga Gaon	95	3.6	0.6	1	2.1 0	199.5 0	32.5 7	74	100	6497.72	399.00	2.2	877.80	7375.52
MB 058	748	Piparhawa Joga Gaon	82	3.6	0.6	1	2.1 0	172.2 0	32.5 7	64	100	5608.55	344.40	2.2	757.68	6366.23
MB 059	381	Piparhawa Joga Gaon	170	3.6	0.6	1	2.1 0	357.0 0	32.5 7	132	100	11627.4 9	714.00	2.2	1570.80	13198.2 9
MB 060	384	Piparhawa Joga Gaon	173	3.6	0.6	1	2.1 0	363.3 0	32.5 7	134	100	11832.6 8	726.60	2.2	1598.52	13431.2 0
MB 061	386	Piparhawa Joga Gaon	176	3.6	0.6	1	2.1 0	369.6 0	32.5 7	137	100	12037.8 7	739.20	2.2	1626.24	13664.1 1

MB 062	388	Piparhawa Joga Gaon	181	3.6	0.6	1	2.1 0	380.1 0	32.5 7	141	100	12379.8 6	760.20	2.2	1672.44	14052.3 0
MB 063	363	Piparhawa Joga Gaon	201	3.6	0.6	1	2.1 0	422.1 0	32.5 7	156	100	13747.8 0	844.20	2.2	1857.24	15605.0 4
MB 064	370	Piparhawa Joga Gaon	216	3.6	0.6	1	2.1 0	453.6 0	32.5 7	168	100	14773.7 5	907.20	2.2	1995.84	16769.5 9
MB 065	378	Piparhawa Joga Gaon	213	3.6	0.6	1	2.1 0	447.3 0	32.5 7	165	100	14568.5 6	894.60	2.2	1968.12	16536.6 8
MB 066	200	Piparhawa Joga Gaon	79	3.6	0.6	1	2.1 0	165.9 0	32.5 7	61	100	5403.36	331.80	2.2	729.96	6133.32
MB 067	248	Piparhawa Joga Gaon	27	3.6	0.6	1	2.1 0	56.70	32.5 7	21	100	1846.72	113.40	2.2	249.48	2096.20
MB 068	250	Piparhawa Joga Gaon	474	3.6	0.6	1	2.1 0	995.4 0	32.5 7	368	100	32420.1 8	1990.8 0	2.2	4379.76	36799.9 4
MB 069	250	Piparhawa Joga Gaon	151	3.6	0.6	1	2.1 0	317.1 0	32.5 7	117	100	10327.9 5	634.20	2.2	1395.24	11723.1 9
MB 070	244	Piparhawa Joga Gaon	145	3.6	0.6	1	2.1 0	304.5 0	32.5 7	113	100	9917.57	609.00	2.2	1339.80	11257.3 7
MB 071	242	Piparhawa Joga Gaon	112	3.6	0.6	1	2.1 0	235.2 0	32.5 7	87	100	7660.46	470.40	2.2	1034.88	8695.34
MB 072	238	Piparhawa Joga Gaon	237	3.6	0.6	1	2.1 0	497.7 0	32.5 7	184	100	16210.0 9	995.40	2.2	2189.88	18399.9 7
MB 073	237	Piparhawa Joga Gaon	405	3.6	0.6	1	2.1 0	850.5 0	32.5 7	314	100	27700.7 9	1701.0 0	2.2	3742.20	31442.9 9
MB 074	235	Piparhawa Joga Gaon	99	3.6	0.6	1	2.1 0	207.9 0	32.5 7	77	100	6771.30	415.80	2.2	914.76	7686.06
MB 075	237	Piparhawa Joga Gaon	65	3.6	0.6	1	2.1 0	136.5 0	32.5 7	50	100	4445.81	273.00	2.2	600.60	5046.41
MB 076	218	Piparhawa Joga Gaon	148	3.6	0.6	1	2.1 0	310.8 0	32.5 7	115	100	10122.7 6	621.60	2.2	1367.52	11490.2 8
MB 077	220	Piparhawa Joga Gaon	148	3.6	0.6	1	2.1 0	310.8 0	32.5 7	115	100	10122.7 6	621.60	2.2	1367.52	11490.2 8
MB 078	210	Piparhawa Joga Gaon	254	3.6	0.6	1	2.1 0	533.4 0	32.5 7	197	100	17372.8 4	1066.8 0	2.2	2346.96	19719.8 0
MB 079	227	Piparhawa Joga Gaon	253	3.6	0.6	1	2.1 0	531.3 0	32.5 7	196	100	17304.4 4	1062.6 0	2.2	2337.72	19642.1 6
MB 080	79	Piparhawa Joga Gaon	185	3.6	0.6	1	2.1 0	388.5 0	32.5 7	144	100	12653.4 5	777.00	2.2	1709.40	14362.8 5
MB 081	53	Piparhawa Joga Gaon	101	3.6	0.6	1	2.1 0	212.1 0	32.5 7	78	100	6908.10	424.20	2.2	933.24	7841.34
MB 082	201	Piparhawa Joga Gaon	80	3.6	0.6	1	2.1 0	168.0 0	32.5 7	62	100	5471.76	336.00	2.2	739.20	6210.96

MB 083	404	Piparhawa Joga Gaon	97	3.6	0.6	1	2.1 0	203.7 0	32.5 7	75	100	6634.51	407.40	2.2	896.28	7530.79
MB 084	405	Piparhawa Joga Gaon	97	3.6	0.6	1	2.1 0	203.7 0	32.5 7	75	100	6634.51	407.40	2.2	896.28	7530.79
MB 085	1307	Piparhawa Joga Gaon	154	3.6	0.6	1	2.1 0	323.4 0	32.5 7	120	100	10533.1 4	646.80	2.2	1422.96	11956.1 0
MB 086	1315	Piparhawa Joga Gaon	138	3.6	0.6	1	2.1 0	289.8 0	32.5 7	107	100	9438.79	579.60	2.2	1275.12	10713.9 1
MB 087	1308	Piparhawa Joga Gaon	186	3.6	0.6	1	2.1 0	390.6 0	32.5 7	144	100	12721.8 4	781.20	2.2	1718.64	14440.4 8
MB 088	1311	Piparhawa Joga Gaon	124	3.6	0.6	1	2.1 0	260.4 0	32.5 7	96	100	8481.23	520.80	2.2	1145.76	9626.99
MB 089	1311	Piparhawa Joga Gaon	127	3.6	0.6	1	2.1 0	266.7 0	32.5 7	99	100	8686.42	533.40	2.2	1173.48	9859.90
MB 090	1314	Piparhawa Joga Gaon	198	3.6	0.6	1	2.1 0	415.8 0	32.5 7	154	100	13542.6 1	831.60	2.2	1829.52	15372.1 3
MB 091	1297	Piparhawa Joga Gaon	72	3.6	0.6	1	2.1 0	151.2 0	32.5 7	56	100	4924.58	302.40	2.2	665.28	5589.86
MB 092	1337	Piparhawa Joga Gaon	214	3.6	0.6	1	2.1 0	449.4 0	32.5 7	166	100	14636.9 6	898.80	2.2	1977.36	16614.3 2
MB 093	1337	Piparhawa Joga Gaon	214	3.6	0.6	1	2.1 0	449.4 0	32.5 7	166	100	14636.9 6	898.80	2.2	1977.36	16614.3 2
MB 094	1294	Piparhawa Joga Gaon	116	3.6	0.6	1	2.1 0	243.6 0	32.5 7	90	100	7934.05	487.20	2.2	1071.84	9005.89
MB 095	1335	Piparhawa Joga Gaon	440	3.6	0.6	1	2.1 0	924.0 0	32.5 7	342	100	30094.6 8	1848.0 0	2.2	4065.60	34160.2 8
MB 096	788	Piparhawa Joga Gaon	274	3.6	0.6	1	2.1 0	575.4 0	32.5 7	213	100	18740.7 8	1150.8 0	2.2	2531.76	21272.5 4
MB 097	799	Piparhawa Joga Gaon	83	3.6	0.6	1	2.1 0	174.3 0	32.5 7	64	100	5676.95	348.60	2.2	766.92	6443.87
MB 098	799	Piparhawa Joga Gaon	245	3.6	0.6	1	2.1 0	514.5 0	32.5 7	190	100	16757.2 7	1029.0 0	2.2	2263.80	19021.0 7
MB 099	783	Piparhawa Joga Gaon	84	3.6	0.6	1	2.1 0	176.4 0	32.5 7	65	100	5745.35	352.80	2.2	776.16	6521.51
MB 100	341	Piparhawa Joga Gaon	108	3.6	0.6	1	2.1 0	226.8 0	32.5 7	84	100	7386.88	453.60	2.2	997.92	8384.80
MB 101	341	Piparhawa Joga Gaon	146	3.6	0.6	1	2.1 0	306.6 0	32.5 7	113	100	9985.96	613.20	2.2	1349.04	11335.0 0
MB 102	348	Piparhawa Joga Gaon	159	3.6	0.6	1	2.1 0	333.9 0	32.5 7	123	100	10875.1 2	667.80	2.2	1469.16	12344.2 8
MB 103	343	Piparhawa Joga Gaon	158	3.6	0.6	1	2.1 0	331.8 0	32.5 7	123	100	10806.7 3	663.60	2.2	1459.92	12266.6 5

MB 104	356	Piparhawa Joga Gaon	116	3.6	0.6	1	2.1 0	243.6 0	32.5 7	90	100	7934.05	487.20	2.2	1071.84	9005.89
MB 105	276	Piparhawa Joga Gaon	130	3.6	0.6	1	2.1 0	273.0 0	32.5 7	101	100	8891.61	546.00	2.2	1201.20	10092.8 1
MB 106	266	Piparhawa Joga Gaon	113	3.6	0.6	1	2.1 0	237.3 0	32.5 7	88	100	7728.86	474.60	2.2	1044.12	8772.98
MB 107	264	Piparhawa Joga Gaon	288	3.6	0.6	1	2.1 0	604.8 0	32.5 7	224	100	19698.3 4	1209.6 0	2.2	2661.12	22359.4 6
MB 108	255	Piparhawa Joga Gaon	80	3.6	0.6	1	2.1 0	168.0 0	32.5 7	62	100	5471.76	336.00	2.2	739.20	6210.96
MB 109	254	Piparhawa Joga Gaon	80	3.6	0.6	1	2.1 0	168.0 0	32.5 7	62	100	5471.76	336.00	2.2	739.20	6210.96
MB 110	269	Piparhawa Joga Gaon	120	3.6	0.6	1	2.1 0	252.0 0	32.5 7	93	100	8207.64	504.00	2.2	1108.80	9316.44
MB 111	269	Piparhawa Joga Gaon	152	3.6	0.6	1	2.1 0	319.2 0	32.5 7	118	100	10396.3 4	638.40	2.2	1404.48	11800.8 2
MB 112	799	Piparhawa Joga Gaon	153	3.6	0.6	1	2.1 0	321.3 0	32.5 7	119	100	10464.7 4	642.60	2.2	1413.72	11878.4 6
MB 113	1328	Piparhawa Joga Gaon	326	3.6	0.6	1	2.1 0	684.6 0	32.5 7	253	100	22297.4 2	1369.2 0	2.2	3012.24	25309.6 6
MB 114	1364	Piparhawa Joga Gaon	118	3.6	0.6	1	2.1 0	247.8 0	32.5 7	92	100	8070.85	495.60	2.2	1090.32	9161.17
MB 115	1362	Piparhawa Joga Gaon	131	3.6	0.6	1	2.1 0	275.1 0	32.5 7	102	100	8960.01	550.20	2.2	1210.44	10170.4 5
MB 116	1356	Piparhawa Joga Gaon	417	3.6	0.6	1	2.1 0	875.7 0	32.5 7	324	100	28521.5 5	1751.4 0	2.2	3853.08	32374.6 3
MB 117	1351	Piparhawa Joga Gaon	58	3.6	0.6	1	2.1 0	121.8 0	32.5 7	45	100	3967.03	243.60	2.2	535.92	4502.95
MB 118	1356	Piparhawa Joga Gaon	61	3.6	0.6	1	2.1 0	128.1 0	32.5 7	47	100	4172.22	256.20	2.2	563.64	4735.86
MB 119	1355	Piparhawa Joga Gaon	59	3.6	0.6	1	2.1 0	123.9 0	32.5 7	46	100	4035.42	247.80	2.2	545.16	4580.58
MB 120	1354	Piparhawa Joga Gaon	59	3.6	0.6	1	2.1 0	123.9 0	32.5 7	46	100	4035.42	247.80	2.2	545.16	4580.58
MB 121	1341	Piparhawa Joga Gaon	184	3.6	0.6	1	2.1 0	386.4 0	32.5 7	143	100	12585.0 5	772.80	2.2	1700.16	14285.2 1
MB 122	1345	Piparhawa Joga Gaon	150	3.6	0.6	1	2.1 0	315.0 0	32.5 7	116	100	10259.5 5	630.00	2.2	1386.00	11645.5 5
MB 123	1347	Piparhawa Joga Gaon	169	3.6	0.6	1	2.1 0	354.9 0	32.5 7	131	100	11559.0 9	709.80	2.2	1561.56	13120.6 5
MB 124	894	Piparhawa Joga Gaon	95	3.6	0.6	1	2.1 0	199.5 0	32.5 7	74	100	6497.72	399.00	2.2	877.80	7375.52

MB 125	894	Piparhawa Joga Gaon	96	3.6	0.6	1	2.1 0	201.6 0	32.5 7	75	100	6566.11	403.20	2.2	887.04	7453.15
MB 126	892	Piparhawa Joga Gaon	99	3.6	0.6	1	2.1 0	207.9 0	32.5 7	77	100	6771.30	415.80	2.2	914.76	7686.06
MB 127	929	Piparhawa Joga Gaon	255	3.6	0.6	1	2.1 0	535.5 0	32.5 7	198	100	17441.2 4	1071.0 0	2.2	2356.20	19797.4 4
MB 128	922	Piparhawa Joga Gaon	87	3.6	0.6	1	2.1 0	182.7 0	32.5 7	68	100	5950.54	365.40	2.2	803.88	6754.42
MB 129	922	Piparhawa Joga Gaon	74	3.6	0.6	1	2.1 0	155.4 0	32.5 7	57	100	5061.38	310.80	2.2	683.76	5745.14
MB 130	819	Piparhawa Joga Gaon	197	3.6	0.6	1	2.1 0	413.7 0	32.5 7	153	100	13474.2 1	827.40	2.2	1820.28	15294.4 9
MB 131	773/1 404	Piparhawa Joga Gaon	146	3.6	0.6	1	2.1 0	306.6 0	32.5 7	113	100	9985.96	613.20	2.2	1349.04	11335.0 0
MB 132	772	Piparhawa Joga Gaon	146	3.6	0.6	1	2.1 0	306.6 0	32.5 7	113	100	9985.96	613.20	2.2	1349.04	11335.0 0
MB 133	777	Piparhawa Joga Gaon	174	3.6	0.6	1	2.1 0	365.4 0	32.5 7	135	100	11901.0 8	730.80	2.2	1607.76	13508.8 4
MB 134	778	Piparhawa Joga Gaon	174	3.6	0.6	1	2.1 0	365.4 0	32.5 7	135	100	11901.0 8	730.80	2.2	1607.76	13508.8 4
MB 135	778	Piparhawa Joga Gaon	97	3.6	0.6	1	2.1 0	203.7 0	32.5 7	75	100	6634.51	407.40	2.2	896.28	7530.79
MB 136	338	Piparhawa Joga Gaon	111	3.6	0.6	1	2.1 0	233.1 0	32.5 7	86	100	7592.07	466.20	2.2	1025.64	8617.71
MB 137	349	Piparhawa Joga Gaon	160	3.6	0.6	1	2.1 0	336.0 0	32.5 7	124	100	10943.5 2	672.00	2.2	1478.40	12421.9 2
MB 138	349	Piparhawa Joga Gaon	158	3.6	0.6	1	2.1 0	331.8 0	32.5 7	123	100	10806.7 3	663.60	2.2	1459.92	12266.6 5
MB 139	337	Piparhawa Joga Gaon	112	3.6	0.6	1	2.1 0	235.2 0	32.5 7	87	100	7660.46	470.40	2.2	1034.88	8695.34
MB 140	335	Piparhawa Joga Gaon	112	3.6	0.6	1	2.1 0	235.2 0	32.5 7	87	100	7660.46	470.40	2.2	1034.88	8695.34
MB 141	335	Piparhawa Joga Gaon	158	3.6	0.6	1	2.1 0	331.8 0	32.5 7	123	100	10806.7 3	663.60	2.2	1459.92	12266.6 5
MB 142	282	Piparhawa Joga Gaon	60	3.6	0.6	1	2.1 0	126.0 0	32.5 7	47	100	4103.82	252.00	2.2	554.40	4658.22
MB 143	286	Piparhawa Joga Gaon	77	3.6	0.6	1	2.1 0	161.7 0	32.5 7	60	100	5266.57	323.40	2.2	711.48	5978.05
MB 144	305	Piparhawa Joga Gaon	87	3.6	0.6	1	2.1 0	182.7 0	32.5 7	68	100	5950.54	365.40	2.2	803.88	6754.42
MB 145	301	Piparhawa Joga Gaon	193	3.6	0.6	1	2.1 0	405.3 0	32.5 7	150	100	13200.6 2	810.60	2.2	1783.32	14983.9 4

MB 146	868	Piparhawa Joga Gaon	142	3.6	0.6	1	2.1 0	298.2 0	32.5 7	110	100	9712.37	596.40	2.2	1312.08	11024.4 5
MB 147	862	Piparhawa Joga Gaon	187	3.6	0.6	1	2.1 0	392.7 0	32.5 7	145	100	12790.2 4	785.40	2.2	1727.88	14518.1 2
MB 148	854	Piparhawa Joga Gaon	169	3.6	0.6	1	2.1 0	354.9 0	32.5 7	131	100	11559.0 9	709.80	2.2	1561.56	13120.6 5
MB 149	875	Piparhawa Joga Gaon	144	3.6	0.6	1	2.1 0	302.4 0	32.5 7	112	100	9849.17	604.80	2.2	1330.56	11179.7 3
MB 150	876	Piparhawa Joga Gaon	124	3.6	0.6	1	2.1 0	260.4 0	32.5 7	96	100	8481.23	520.80	2.2	1145.76	9626.99
MB 151	876	Piparhawa Joga Gaon	122	3.6	0.6	1	2.1 0	256.2 0	32.5 7	95	100	8344.43	512.40	2.2	1127.28	9471.71
MB 152	878	Piparhawa Joga Gaon	134	3.6	0.6	1	2.1 0	281.4 0	32.5 7	104	100	9165.20	562.80	2.2	1238.16	10403.3 6
MB 153	888	Piparhawa Joga Gaon	417	3.6	0.6	1	2.1 0	875.7 0	32.5 7	324	100	28521.5 5	1751.4 0	2.2	3853.08	32374.6 3
MB 154	1375	Piparhawa Joga Gaon	111	3.6	0.6	1	2.1 0	233.1 0	32.5 7	86	100	7592.07	466.20	2.2	1025.64	8617.71
MB 155	1384	Piparhawa Joga Gaon	113	3.6	0.6	1	2.1 0	237.3 0	32.5 7	88	100	7728.86	474.60	2.2	1044.12	8772.98
MB 156	1384	Piparhawa Joga Gaon	100	3.6	0.6	1	2.1 0	210.0 0	32.5 7	78	100	6839.70	420.00	2.2	924.00	7763.70
MB 157	900	Piparhawa Joga Gaon	219	3.6	0.6	1	2.1 0	459.9 0	32.5 7	170	100	14978.9 4	919.80	2.2	2023.56	17002.5 0
MB 158	899	Piparhawa Joga Gaon	209	3.6	0.6	1	2.1 0	438.9 0	32.5 7	162	100	14294.9 7	877.80	2.2	1931.16	16226.1 3
TOTAL			24573					51603 .30		190 78		168071 9.48	103206 .60		227054. 52	190777 4.00

ESTIMATE OF PERIPHERAL BUNDS- PIPRAHAWA JOGA GAON													Soding Charges			
WO RK	KH. No.	NAME OF GP	LENG TH	BAS E	TO P	HIG HT	CS	EW	RA TE	MD	L. CHARG ES	T. COST	Sqr. Mtr.	RA TE	S. AMOU NT	T. AMOUN T
PB 001	1144	Piparhawa Joga Gaon	2900	3.6	0.6	1	2.1 0	6090.0 0	32.5 7	225 1	100	198351. 30	12180. 00	2.2	26796. 00	225147. 30
PB 002	793	Piparhawa Joga Gaon	2902	3.6	0.6	1	2.1 0	6094.2 0	32.5 7	225 3	100	198488. 09	12188. 40	2.2	26814. 48	225302. 57
TOTAL			5802					12184. 20		450 4		396839. 39	24368. 40		53610. 48	450449. 87

ESTIMATE OF SUMBERGENCE BUNDS- PIPRAHAWA JOGA GAON														Soding Charges		
WORK	KH. No.	NAME OF GP	LENGTH	BAS E	TO P	HIGH T	CS	EW	RAT E	MD	L. CHARG ES	T. COST	Sqr. Mtr.	RAT E	S. AMOU NT	T. AMOU NT
SB 001	484	Piparhawa Joga Gaon	283	4	2	1	3.00	849.00	32.57	311	100	27651.93	1584.80	2.2	3486.56	31138.49
SB 002	484	Piparhawa Joga Gaon	54	4	2	1	3.00	162.00	32.57	59	100	5276.34	302.40	2.2	665.28	5941.62
SB 003	474	Piparhawa Joga Gaon	356	4	2	1	3.00	1068.00	32.57	392	100	34784.76	1993.60	2.2	4385.92	39170.68
SB 004	514	Piparhawa Joga Gaon	320	4	2	1	3.00	960.00	32.57	352	100	31267.20	1792.00	2.2	3942.40	35209.60
SB 005	530	Piparhawa Joga Gaon	93	4	2	1	3.00	279.00	32.57	102	100	9087.03	520.80	2.2	1145.76	10232.79
SB 006	534	Piparhawa Joga Gaon	76	4	2	1	3.00	228.00	32.57	84	100	7425.96	425.60	2.2	936.32	8362.28
SB 007	553	Piparhawa Joga Gaon	61	4	2	1	3.00	183.00	32.57	67	100	5960.31	341.60	2.2	751.52	6711.83
SB 008	575	Piparhawa Joga Gaon	240	4	2	1	3.00	720.00	32.57	264	100	23450.40	1344.00	2.2	2956.80	26407.20
SB 009	214	Piparhawa Joga Gaon	264	4	2	1	3.00	792.00	32.57	290	100	25795.44	1478.40	2.2	3252.48	29047.92
SB 010	1343	Piparhawa Joga Gaon	422	4	2	1	3.00	1266.00	32.57	464	100	41233.62	2363.20	2.2	5199.04	46432.66
SB 011	910	Piparhawa Joga Gaon	56	4	2	1	3.00	168.00	32.57	62	100	5471.76	313.60	2.2	689.92	6161.68
SB 012	902	Piparhawa Joga Gaon	220	4	2	1	3.00	660.00	32.57	242	100	21496.20	1232.00	2.2	2710.40	24206.60
SB 013	896	Piparhawa Joga Gaon	417	4	2	1	3.00	1251.00	32.57	459	100	40745.07	2335.20	2.2	5137.44	45882.51
SB 014	896	Piparhawa Joga Gaon	94	4	2	1	3.00	282.00	32.57	103	100	9184.74	526.40	2.2	1158.08	10342.82
SB 015	814	Piparhawa Joga Gaon	236	4	2	1	3.00	708.00	32.57	260	100	23059.56	1321.60	2.2	2907.52	25967.08
SB 016	821	Piparhawa Joga Gaon	156	4	2	1	3.00	468.00	32.57	172	100	15242.76	873.60	2.2	1921.92	17164.68
SB 017	826	Piparhawa Joga Gaon	263	4	2	1	3.00	789.00	32.57	289	100	25697.73	1472.80	2.2	3240.16	28937.89
SB 018	943	Piparhawa Joga Gaon	46	4	2	1	3.00	138.00	32.57	51	100	4494.66	257.60	2.2	566.72	5061.38

SB 019	809	Piparhawa Joga Gaon	226	4	2	1	3.00	678.00	32.57	249	100	22082.46	1265.60	2.2	2784.32	24866.78
SB 020	823	Piparhawa Joga Gaon	155	4	2	1	3.00	465.00	32.57	171	100	15145.05	868.00	2.2	1909.60	17054.65
SB 021	279	Piparhawa Joga Gaon	150	4	2	1	3.00	450.00	32.57	165	100	14656.50	840.00	2.2	1848.00	16504.50
SB 022	275	Piparhawa Joga Gaon	132	4	2	1	3.00	396.00	32.57	145	100	12897.72	739.20	2.2	1626.24	14523.96
SB 023	269	Piparhawa Joga Gaon	120	4	2	1	3.00	360.00	32.57	132	100	11725.20	672.00	2.2	1478.40	13203.60
SB 024	263	Piparhawa Joga Gaon	313	4	2	1	3.00	939.00	32.57	344	100	30583.23	1752.80	2.2	3856.16	34439.39
SB 025	297	Piparhawa Joga Gaon	285	4	2	1	3.00	855.00	32.57	314	100	27847.35	1596.00	2.2	3511.20	31358.55
SB 026	274	Piparhawa Joga Gaon	191	4	2	1	3.00	573.00	32.57	210	100	18662.61	1069.60	2.2	2353.12	21015.73
SB 027	272	Piparhawa Joga Gaon	95	4	2	1	3.00	285.00	32.57	105	100	9282.45	532.00	2.2	1170.40	10452.85
SB 028	845	Piparhawa Joga Gaon	248	4	2	1	3.00	744.00	32.57	273	100	24232.08	1388.80	2.2	3055.36	27287.44
SB 029	853	Piparhawa Joga Gaon	308	4	2	1	3.00	924.00	32.57	339	100	30094.68	1724.80	2.2	3794.56	33889.24
SB 030	849	Piparhawa Joga Gaon	262	4	2	1	3.00	786.00	32.57	288	100	25600.02	1467.20	2.2	3227.84	28827.86
SB 031	869	Piparhawa Joga Gaon	342	4	2	1	3.00	1026.00	32.57	376	100	33416.82	1915.20	2.2	4213.44	37630.26
TOTAL			6484					19452.00		7134		633551.64	36310.40		79882.88	713434.52

ESTIMATE OF CONTOUR BUNDS- RANIPUR BHELA													Soding Charges			
WORK	KH. No.	NAME OF GP	LENGTH	BAS E	TO P	HIGH T	CS	EW	RAT E	MD	L. CHARGE S	T. COST	Sqr. Mtr.	RAT E	S. AMOUN T	T. AMOUN T
CB 001	24	Ranipur	235	2.25	0.45	0.6	0.81	190.35	32.57	76	100	6199.70	648.60	2.2	1426.92	7626.62
CB 002		Ranipur	195	2.25	0.45	0.6	0.81	157.95	32.57	63	100	5144.43	538.20	2.2	1184.04	6328.47

CB 003	192	Ranipur	81	2.25	0.4 5	0.6	0.8 1	65.61	32.5 7	26	100	2136.92	223.56	2.2	491.83	2628.75
CB 004	192	Ranipur	84	2.25	0.4 5	0.6	0.8 1	68.04	32.5 7	27	100	2216.06	231.84	2.2	510.05	2726.11
CB 005	204	Ranipur	144	2.25	0.4 5	0.6	0.8 1	116.64	32.5 7	47	100	3798.96	397.44	2.2	874.37	4673.33
CB 006	217	Ranipur	182	2.25	0.4 5	0.6	0.8 1	147.42	32.5 7	59	100	4801.47	502.32	2.2	1105.10	5906.57
CB 007		Ranipur	84	2.25	0.4 5	0.6	0.8 1	68.04	32.5 7	27	100	2216.06	231.84	2.2	510.05	2726.11
CB 008	184	Ranipur	88	2.25	0.4 5	0.6	0.8 1	71.28	32.5 7	29	100	2321.59	242.88	2.2	534.34	2855.93
CB 009	183	Ranipur	187	2.25	0.4 5	0.6	0.8 1	151.47	32.5 7	61	100	4933.38	516.12	2.2	1135.46	6068.84
CB 010	162	Ranipur	118	2.25	0.4 5	0.6	0.8 1	95.58	32.5 7	38	100	3113.04	325.68	2.2	716.50	3829.54
CB 011	167	Ranipur	275	2.25	0.4 5	0.6	0.8 1	222.75	32.5 7	89	100	7254.97	759.00	2.2	1669.80	8924.77
CB 012	173	Ranipur	95	2.25	0.4 5	0.6	0.8 1	76.95	32.5 7	31	100	2506.26	262.20	2.2	576.84	3083.10
CB 013	228	Ranipur	73	2.25	0.4 5	0.6	0.8 1	59.13	32.5 7	24	100	1925.86	201.48	2.2	443.26	2369.12
CB 014	232	Ranipur	165	2.25	0.4 5	0.6	0.8 1	133.65	32.5 7	54	100	4352.98	455.40	2.2	1001.88	5354.86
CB 015	234	Ranipur	99	2.25	0.4 5	0.6	0.8 1	80.19	32.5 7	32	100	2611.79	273.24	2.2	601.13	3212.92
CB 016	326	Ranipur	107	2.25	0.4 5	0.6	0.8 1	86.67	32.5 7	35	100	2822.84	295.32	2.2	649.70	3472.55
CB 017	336	Ranipur	180	2.25	0.4 5	0.6	0.8 1	145.80	32.5 7	58	100	4748.71	496.80	2.2	1092.96	5841.67
CB 018	345	Ranipur	247	2.25	0.4 5	0.6	0.8 1	200.07	32.5 7	80	100	6516.28	681.72	2.2	1499.78	8016.06
CB 019		Ranipur	162	2.25	0.4 5	0.6	0.8 1	131.22	32.5 7	53	100	4273.84	447.12	2.2	983.66	5257.50
CB 020	269	Ranipur	216	2.25	0.4 5	0.6	0.8 1	174.96	32.5 7	70	100	5698.45	596.16	2.2	1311.55	7010.00
CB 021	263	Ranipur	205	2.25	0.4 5	0.6	0.8 1	166.05	32.5 7	67	100	5408.25	565.80	2.2	1244.76	6653.01
CB 022	263	Ranipur	205	2.25	0.4 5	0.6	0.8 1	166.05	32.5 7	67	100	5408.25	565.80	2.2	1244.76	6653.01
CB 023	249	Ranipur	210	2.25	0.4 5	0.6	0.8 1	170.10	32.5 7	68	100	5540.16	579.60	2.2	1275.12	6815.28
CB 024		Ranipur	89	2.25	0.4 5	0.6	0.8 1	72.09	32.5 7	29	100	2347.97	245.64	2.2	540.41	2888.38

CB 025	141	Ranipur	391	2.25	0.4 5	0.6	0.8 1	316.71	32.5 7	127	100	10315.2 4	1079.16	2.2	2374.15	12689.4 0
CB 026	152	Ranipur	121	2.25	0.4 5	0.6	0.8 1	98.01	32.5 7	39	100	3192.19	333.96	2.2	734.71	3926.90
CB 027	113	Ranipur	130	2.25	0.4 5	0.6	0.8 1	105.30	32.5 7	42	100	3429.62	358.80	2.2	789.36	4218.98
CB 028	11	Chabepurawa	218	2.25	0.4 5	0.6	0.8 1	176.58	32.5 7	71	100	5751.21	601.68	2.2	1323.70	7074.91
CB 029	61	Chabepurawa	291	2.25	0.4 5	0.6	0.8 1	235.71	32.5 7	94	100	7677.07	803.16	2.2	1766.95	9444.03
CB 030	43	Chabepurawa	181	2.25	0.4 5	0.6	0.8 1	146.61	32.5 7	59	100	4775.09	499.56	2.2	1099.03	5874.12
CB 031	43	Chabepurawa	138	2.25	0.4 5	0.6	0.8 1	111.78	32.5 7	45	100	3640.67	380.88	2.2	837.94	4478.61
CB 032	32	Chabepurawa	100	2.25	0.4 5	0.6	0.8 1	81.00	32.5 7	32	100	2638.17	276.00	2.2	607.20	3245.37
CB 033	214	Chabepurawa	240	2.25	0.4 5	0.6	0.8 1	194.40	32.5 7	78	100	6331.61	662.40	2.2	1457.28	7788.89
CB 034	214	Chabepurawa	74	2.25	0.4 5	0.6	0.8 1	59.94	32.5 7	24	100	1952.25	204.24	2.2	449.33	2401.57
CB 035	186	Chabepurawa	199	2.25	0.4 5	0.6	0.8 1	161.19	32.5 7	65	100	5249.96	549.24	2.2	1208.33	6458.29
CB 036	186	Chabepurawa	153	2.25	0.4 5	0.6	0.8 1	123.93	32.5 7	50	100	4036.40	422.28	2.2	929.02	4965.42
CB 037	97	Chabepurawa	187	2.25	0.4 5	0.6	0.8 1	151.47	32.5 7	61	100	4933.38	516.12	2.2	1135.46	6068.84
CB 038	98	Chabepurawa	37	2.25	0.4 5	0.6	0.8 1	29.97	32.5 7	12	100	976.12	102.12	2.2	224.66	1200.79
CB 039	95	Chabepurawa	87	2.25	0.4 5	0.6	0.8 1	70.47	32.5 7	28	100	2295.21	240.12	2.2	528.26	2823.47
CB 040	183	Chabepurawa	49	2.25	0.4 5	0.6	0.8 1	39.69	32.5 7	16	100	1292.70	135.24	2.2	297.53	1590.23
CB 041	188	Chabepurawa	170	2.25	0.4 5	0.6	0.8 1	137.70	32.5 7	55	100	4484.89	469.20	2.2	1032.24	5517.13
CB 042	188	Chabepurawa	243	2.25	0.4 5	0.6	0.8 1	196.83	32.5 7	79	100	6410.75	670.68	2.2	1475.50	7886.25
CB 043	188	Chabepurawa	241	2.25	0.4 5	0.6	0.8 1	195.21	32.5 7	78	100	6357.99	665.16	2.2	1463.35	7821.34
CB 044	188	Chabepurawa	95	2.25	0.4 5	0.6	0.8 1	76.95	32.5 7	31	100	2506.26	262.20	2.2	576.84	3083.10
CB 045	188	Chabepurawa	94	2.25	0.4 5	0.6	0.8 1	76.14	32.5 7	31	100	2479.88	259.44	2.2	570.77	3050.65
CB 046	197	Chabepurawa	239	2.25	0.4 5	0.6	0.8 1	193.59	32.5 7	78	100	6305.23	659.64	2.2	1451.21	7756.43

CB 047	198	Chabepurawa	82	2.25	0.4 5	0.6	0.8 1	66.42	32.5 7	27	100	2163.30	226.32	2.2	497.90	2661.20
CB 048	196	Chabepurawa	82	2.25	0.4 5	0.6	0.8 1	66.42	32.5 7	27	100	2163.30	226.32	2.2	497.90	2661.20
CB 049	225	Chabepurawa	146	2.25	0.4 5	0.6	0.8 1	118.26	32.5 7	47	100	3851.73	402.96	2.2	886.51	4738.24
CB 050	221	Chabepurawa	97	2.25	0.4 5	0.6	0.8 1	78.57	32.5 7	31	100	2559.02	267.72	2.2	588.98	3148.01
CB 051	221	Chabepurawa	224	2.25	0.4 5	0.6	0.8 1	181.44	32.5 7	73	100	5909.50	618.24	2.2	1360.13	7269.63
CB 052	221	Chabepurawa	229	2.25	0.4 5	0.6	0.8 1	185.49	32.5 7	74	100	6041.41	632.04	2.2	1390.49	7431.90
CB 053	234	Chabepurawa	131	2.25	0.4 5	0.6	0.8 1	106.11	32.5 7	43	100	3456.00	361.56	2.2	795.43	4251.43
CB 054	165	Chabepurawa	162	2.25	0.4 5	0.6	0.8 1	131.22	32.5 7	53	100	4273.84	447.12	2.2	983.66	5257.50
CB 055	154	Chabepurawa	104	2.25	0.4 5	0.6	0.8 1	84.24	32.5 7	34	100	2743.70	287.04	2.2	631.49	3375.18
CB 056	140	Chabepurawa	217	2.25	0.4 5	0.6	0.8 1	175.77	32.5 7	70	100	5724.83	598.92	2.2	1317.62	7042.45
CB 057	492	Chabepurawa	212	2.25	0.4 5	0.6	0.8 1	171.72	32.5 7	69	100	5592.92	585.12	2.2	1287.26	6880.18
CB 058	528	Chabepurawa	156	2.25	0.4 5	0.6	0.8 1	126.36	32.5 7	51	100	4115.55	430.56	2.2	947.23	5062.78
CB 059	528	Chabepurawa	148	2.25	0.4 5	0.6	0.8 1	119.88	32.5 7	48	100	3904.49	408.48	2.2	898.66	4803.15
CB 060	532	Chabepurawa	93	2.25	0.4 5	0.6	0.8 1	75.33	32.5 7	30	100	2453.50	256.68	2.2	564.70	3018.19
CB 061	534	Chabepurawa	148	2.25	0.4 5	0.6	0.8 1	119.88	32.5 7	48	100	3904.49	408.48	2.2	898.66	4803.15
CB 062	557	Chabepurawa	242	2.25	0.4 5	0.6	0.8 1	196.02	32.5 7	79	100	6384.37	667.92	2.2	1469.42	7853.80
CB 063	478	Chabepurawa	141	2.25	0.4 5	0.6	0.8 1	114.21	32.5 7	46	100	3719.82	389.16	2.2	856.15	4575.97
CB 064	582	Chabepurawa	175	2.25	0.4 5	0.6	0.8 1	141.75	32.5 7	57	100	4616.80	483.00	2.2	1062.60	5679.40
CB 065		Ranipur	140	2.25	0.4 5	0.6	0.8 1	113.40	32.5 7	45	100	3693.44	386.40	2.2	850.08	4543.52
CB 066		Ranipur	99	2.25	0.4 5	0.6	0.8 1	80.19	32.5 7	32	100	2611.79	273.24	2.2	601.13	3212.92
CB 067		Ranipur	86	2.25	0.4 5	0.6	0.8 1	69.66	32.5 7	28	100	2268.83	237.36	2.2	522.19	2791.02
CB 068	390	Ranipur	308	2.25	0.4 5	0.6	0.8 1	249.48	32.5 7	100	100	8125.56	850.08	2.2	1870.18	9995.74

CB 069	390	Ranipur	75	2.25	0.4 5	0.6	0.8 1	60.75	32.5 7	24	100	1978.63	207.00	2.2	455.40	2434.03
CB 070	385	Ranipur	39	2.25	0.4 5	0.6	0.8 1	31.59	32.5 7	13	100	1028.89	107.64	2.2	236.81	1265.69
CB 071	405	Ranipur	209	2.25	0.4 5	0.6	0.8 1	169.29	32.5 7	68	100	5513.78	576.84	2.2	1269.05	6782.82
CB 072	661	Ranipur	182	2.25	0.4 5	0.6	0.8 1	147.42	32.5 7	59	100	4801.47	502.32	2.2	1105.10	5906.57
CB 073	693	Ranipur	153	2.25	0.4 5	0.6	0.8 1	123.93	32.5 7	50	100	4036.40	422.28	2.2	929.02	4965.42
CB 074		Ranipur	143	2.25	0.4 5	0.6	0.8 1	115.83	32.5 7	46	100	3772.58	394.68	2.2	868.30	4640.88
CB 075	632	Ranipur	190	2.25	0.4 5	0.6	0.8 1	153.90	32.5 7	62	100	5012.52	524.40	2.2	1153.68	6166.20
CB 076		Ranipur	170	2.25	0.4 5	0.6	0.8 1	137.70	32.5 7	55	100	4484.89	469.20	2.2	1032.24	5517.13
CB 077	731	Ranipur	111	2.25	0.4 5	0.6	0.8 1	89.91	32.5 7	36	100	2928.37	306.36	2.2	673.99	3602.36
CB 078	731	Ranipur	169	2.25	0.4 5	0.6	0.8 1	136.89	32.5 7	55	100	4458.51	466.44	2.2	1026.17	5484.68
CB 079	715	Ranipur	137	2.25	0.4 5	0.6	0.8 1	110.97	32.5 7	44	100	3614.29	378.12	2.2	831.86	4446.16
CB 080		Ranipur	84	2.25	0.4 5	0.6	0.8 1	68.04	32.5 7	27	100	2216.06	231.84	2.2	510.05	2726.11
CB 081	11	Nand Nagar Bhela	174	2.25	0.4 5	0.6	0.8 1	140.94	32.5 7	56	100	4590.42	480.24	2.2	1056.53	5646.94
CB 082	10	Nand Nagar Bhela	225	2.25	0.4 5	0.6	0.8 1	182.25	32.5 7	73	100	5935.88	621.00	2.2	1366.20	7302.08
CB 083	123	Nand Nagar Bhela	159	2.25	0.4 5	0.6	0.8 1	128.79	32.5 7	52	100	4194.69	438.84	2.2	965.45	5160.14
CB 084	158	Nand Nagar Bhela	109	2.25	0.4 5	0.6	0.8 1	88.29	32.5 7	35	100	2875.61	300.84	2.2	661.85	3537.45
CB 085	150	Nand Nagar Bhela	108	2.25	0.4 5	0.6	0.8 1	87.48	32.5 7	35	100	2849.22	298.08	2.2	655.78	3505.00
CB 086	128	Nand Nagar Bhela	140	2.25	0.4 5	0.6	0.8 1	113.40	32.5 7	45	100	3693.44	386.40	2.2	850.08	4543.52
CB 087	129	Nand Nagar Bhela	132	2.25	0.4 5	0.6	0.8 1	106.92	32.5 7	43	100	3482.38	364.32	2.2	801.50	4283.89
CB 088	145	Nand Nagar Bhela	104	2.25	0.4 5	0.6	0.8 1	84.24	32.5 7	34	100	2743.70	287.04	2.2	631.49	3375.18
CB 089	170	Nand Nagar Bhela	140	2.25	0.4 5	0.6	0.8 1	113.40	32.5 7	45	100	3693.44	386.40	2.2	850.08	4543.52
CB 090	169	Nand Nagar Bhela	140	2.25	0.4 5	0.6	0.8 1	113.40	32.5 7	45	100	3693.44	386.40	2.2	850.08	4543.52

CB 091	166	Nand Nagar Bhela	139	2.25	0.4 5	0.6	0.8 1	112.59	32.5 7	45	100	3667.06	383.64	2.2	844.01	4511.06
CB 092	115	Nand Nagar Bhela	78	2.25	0.4 5	0.6	0.8 1	63.18	32.5 7	25	100	2057.77	215.28	2.2	473.62	2531.39
CB 093	95	Nand Nagar Bhela	162	2.25	0.4 5	0.6	0.8 1	131.22	32.5 7	53	100	4273.84	447.12	2.2	983.66	5257.50
CB 094	193	Nand Nagar Bhela	110	2.25	0.4 5	0.6	0.8 1	89.10	32.5 7	36	100	2901.99	303.60	2.2	667.92	3569.91
CB 095	192	Nand Nagar Bhela	114	2.25	0.4 5	0.6	0.8 1	92.34	32.5 7	37	100	3007.51	314.64	2.2	692.21	3699.72
CB 096	190	Nand Nagar Bhela	116	2.25	0.4 5	0.6	0.8 1	93.96	32.5 7	38	100	3060.28	320.16	2.2	704.35	3764.63
CB 097	432	Nand Nagar Bhela	147	2.25	0.4 5	0.6	0.8 1	119.07	32.5 7	48	100	3878.11	405.72	2.2	892.58	4770.69
CB 098	383	Nand Nagar Bhela	65	2.25	0.4 5	0.6	0.8 1	52.65	32.5 7	21	100	1714.81	179.40	2.2	394.68	2109.49
CB 099	417	Nand Nagar Bhela	104	2.25	0.4 5	0.6	0.8 1	84.24	32.5 7	34	100	2743.70	287.04	2.2	631.49	3375.18
CB 100	395	Nand Nagar Bhela	78	2.25	0.4 5	0.6	0.8 1	63.18	32.5 7	25	100	2057.77	215.28	2.2	473.62	2531.39
CB 101	422	Nand Nagar Bhela	84	2.25	0.4 5	0.6	0.8 1	68.04	32.5 7	27	100	2216.06	231.84	2.2	510.05	2726.11
CB 102	449	Nand Nagar Bhela	114	2.25	0.4 5	0.6	0.8 1	92.34	32.5 7	37	100	3007.51	314.64	2.2	692.21	3699.72
CB 103	374	Nand Nagar Bhela	67	2.25	0.4 5	0.6	0.8 1	54.27	32.5 7	22	100	1767.57	184.92	2.2	406.82	2174.40
CB 104	369	Nand Nagar Bhela	147	2.25	0.4 5	0.6	0.8 1	119.07	32.5 7	48	100	3878.11	405.72	2.2	892.58	4770.69
CB 105	369	Nand Nagar Bhela	157	2.25	0.4 5	0.6	0.8 1	127.17	32.5 7	51	100	4141.93	433.32	2.2	953.30	5095.23
CB 106		Nand Nagar Bhela	167	2.25	0.4 5	0.6	0.8 1	135.27	32.5 7	54	100	4405.74	460.92	2.2	1014.02	5419.77
CB 107	345	Nand Nagar Bhela	101	2.25	0.4 5	0.6	0.8 1	81.81	32.5 7	33	100	2664.55	278.76	2.2	613.27	3277.82
CB 108	274	Nand Nagar Bhela	72	2.25	0.4 5	0.6	0.8 1	58.32	32.5 7	23	100	1899.48	198.72	2.2	437.18	2336.67
CB 109	219	Nand Nagar Bhela	77	2.25	0.4 5	0.6	0.8 1	62.37	32.5 7	25	100	2031.39	212.52	2.2	467.54	2498.93
CB 110	202	Nand Nagar Bhela	79	2.25	0.4 5	0.6	0.8 1	63.99	32.5 7	26	100	2084.15	218.04	2.2	479.69	2563.84
CB 111	228	Nand Nagar Bhela	74	2.25	0.4 5	0.6	0.8 1	59.94	32.5 7	24	100	1952.25	204.24	2.2	449.33	2401.57
CB 112	275	Nand Nagar Bhela	73	2.25	0.4 5	0.6	0.8 1	59.13	32.5 7	24	100	1925.86	201.48	2.2	443.26	2369.12

CB 113	336	Nand Nagar Bhela	73	2.25	0.45	0.6	0.81	59.13	32.57	24	100	1925.86	201.48	2.2	443.26	2369.12
CB 114	338	Nand Nagar Bhela	107	2.25	0.45	0.6	0.81	86.67	32.57	35	100	2822.84	295.32	2.2	649.70	3472.55
CB 115	330	Nand Nagar Bhela	114	2.25	0.45	0.6	0.81	92.34	32.57	37	100	3007.51	314.64	2.2	692.21	3699.72
CB 116	792	Ranipur	228	2.25	0.45	0.6	0.81	184.68	32.57	74	100	6015.03	629.28	2.2	1384.42	7399.44
CB 117	788	Ranipur	148	2.25	0.45	0.6	0.81	119.88	32.57	48	100	3904.49	408.48	2.2	898.66	4803.15
CB 118	784	Ranipur	131	2.25	0.45	0.6	0.81	106.11	32.57	43	100	3456.00	361.56	2.2	795.43	4251.43
CB 119		Ranipur	140	2.25	0.45	0.6	0.81	113.40	32.57	45	100	3693.44	386.40	2.2	850.08	4543.52
CB 120		Ranipur	141	2.25	0.45	0.6	0.81	114.21	32.57	46	100	3719.82	389.16	2.2	856.15	4575.97
TOTAL			17326					14034.06		5623		457089.33	47819.76		105203.47	562292.81

ESTIMATE OF MARGINAL BUNDS- RANIPUR BHELA													Soding Charges			
WORK	KH. No.	NAME OF GP	LENGTH	BAS E	TO P	HIGH T	CS	EW	RAT E	MD	L. CHARGE S	T. COST	Sqr. Mtr.	RAT E	S. AMOUNT	T. AMOUNT
MB 001		Ranipur	126	3.6	0.6	1	2.10	264.60	32.57	98	100	8618.02	529.20	2.2	1164.24	9782.26
MB	194	Ranipur	127	3.6	0.6	1	2.1	266.70	32.5	99	100	8686.42	533.40	2.2	1173.48	9859.90

002							0		7							
MB 003		Ranipur	144	3.6	0.6	1	2.1 0	302.40	32.5 7	112	100	9849.17	604.80	2.2	1330.56	11179.73
MB 004	192	Ranipur	140	3.6	0.6	1	2.1 0	294.00	32.5 7	109	100	9575.58	588.00	2.2	1293.60	10869.18
MB 005		Ranipur	147	3.6	0.6	1	2.1 0	308.70	32.5 7	114	100	10054.36	617.40	2.2	1358.28	11412.64
MB 006	55	Ranipur	213	3.6	0.6	1	2.1 0	447.30	32.5 7	165	100	14568.56	894.60	2.2	1968.12	16536.68
MB 007	57	Ranipur	364	3.6	0.6	1	2.1 0	764.40	32.5 7	283	100	24896.51	1528.80	2.2	3363.36	28259.87
MB 008	167	Ranipur	302	3.6	0.6	1	2.1 0	634.20	32.5 7	234	100	20655.89	1268.40	2.2	2790.48	23446.37
MB 009	141	Ranipur	390	3.6	0.6	1	2.1 0	819.00	32.5 7	303	100	26674.83	1638.00	2.2	3603.60	30278.43
MB 010	217	Ranipur	180	3.6	0.6	1	2.1 0	378.00	32.5 7	140	100	12311.46	756.00	2.2	1663.20	13974.66
MB 011		Ranipur	531	3.6	0.6	1	2.1 0	1115.10	32.5 7	412	100	36318.81	2230.20	2.2	4906.44	41225.25
MB 012	495	Ranipur	285	3.6	0.6	1	2.1 0	598.50	32.5 7	221	100	19493.15	1197.00	2.2	2633.40	22126.55
MB 013	371	Ranipur	339	3.6	0.6	1	2.1 0	711.90	32.5 7	263	100	23186.58	1423.80	2.2	3132.36	26318.94
MB 014	249	Ranipur	181	3.6	0.6	1	2.1 0	380.10	32.5 7	141	100	12379.86	760.20	2.2	1672.44	14052.30
MB 015	329	Ranipur	117	3.6	0.6	1	2.1 0	245.70	32.5 7	91	100	8002.45	491.40	2.2	1081.08	9083.53
MB 016	332	Ranipur	117	3.6	0.6	1	2.1 0	245.70	32.5 7	91	100	8002.45	491.40	2.2	1081.08	9083.53
MB 017	245	Ranipur	150	3.6	0.6	1	2.1 0	315.00	32.5 7	116	100	10259.55	630.00	2.2	1386.00	11645.55
MB 018	243	Ranipur	152	3.6	0.6	1	2.1 0	319.20	32.5 7	118	100	10396.34	638.40	2.2	1404.48	11800.82
MB 019	28	Chabepurawa	155	3.6	0.6	1	2.1 0	325.50	32.5 7	120	100	10601.54	651.00	2.2	1432.20	12033.74
MB 020	238	Chabepurawa	540	3.6	0.6	1	2.1 0	1134.00	32.5 7	419	100	36934.38	2268.00	2.2	4989.60	41923.98
MB 021	580	Chabepurawa	1253	3.6	0.6	1	2.1 0	2631.30	32.5 7	973	100	85701.44	5262.60	2.2	11577.7 2	97279.16
MB 022	751	Ranipur	1271	3.6	0.6	1	2.1 0	2669.10	32.5 7	987	100	86932.59	5338.20	2.2	11744.0 4	98676.63
MB 023		Ranipur	204	3.6	0.6	1	2.1 0	428.40	32.5 7	158	100	13952.99	856.80	2.2	1884.96	15837.95
MB	P	Ranipur	178	3.6	0.6	1	2.1	373.80	32.5	138	100	12174.67	747.60	2.2	1644.72	13819.39

024							0		7							
MB 025		Ranipur	217	3.6	0.6	1	2.1 0	455.70	32.5 7	168	100	14842.15	911.40	2.2	2005.08	16847.23
MB 026		Ranipur	376	3.6	0.6	1	2.1 0	789.60	32.5 7	292	100	25717.27	1579.20	2.2	3474.24	29191.51
PB 001	551	Chabepurawa	391	3.6	0.6	1	2.1 0	821.10	32.5 7	304	100	26743.23	1642.20	2.2	3612.84	30356.07
TOTAL			8590					18039.0 0		666 9		587530.2 3	36078.0 0		79371.60	666901.8 3

ESTIMATE OF PERIPHERAL BUNDS- RANIPUR BHELA													Soding Charges			
WORK	KH. No.	NAME OF GP	LENGTH	BAS E	TO P	HIGH T	CS	EW	RAT E	M D	L. CHARGE S	T. COST	Sqr. Mtr.	RAT E	S. AMOUNT	T. AMOUNT
SB 001	186	Ranipur	143	3.6	0.6	1	2.1 0	300.30	32.5 7	11 1	100	9780.77	600.60	2.2	1321.32	11102.0 9

SB 002	186	Ranipur	19	3.6	0.6	1	2.1 0	39.90	32.5 7	15	100	1299.54	79.80	2.2	175.56	1475.10
SB 003		Ranipur	157	3.6	0.6	1	2.1 0	329.70	32.5 7	12 2	100	10738.3 3	659.40	2.2	1450.68	12189.0 1
SB 004	155	Ranipur	116	3.6	0.6	1	2.1 0	243.60	32.5 7	90	100	7934.05	487.20	2.2	1071.84	9005.89
SB 005	161	Ranipur	116	3.6	0.6	1	2.1 0	243.60	32.5 7	90	100	7934.05	487.20	2.2	1071.84	9005.89
SB 006	155	Ranipur	103	3.6	0.6	1	2.1 0	216.30	32.5 7	80	100	7044.89	432.60	2.2	951.72	7996.61
SB 007		Ranipur	247	3.6	0.6	1	2.1 0	518.70	32.5 7	19 2	100	16894.0 6	1037.4 0	2.2	2282.28	19176.3 4
TOTAL			901					1892.1 0		70 0		61625.7 0	3784.2 0		8325.24	69950.9 4

ESTIMATE OF CONTOUR BUNDS- SHANKARPUR													Soding Charges			
WORK	KH. No.	NAME OF GP	LENGTH	BASE	TOP	HIGHT	CS	EW	RATE	MD	L. CHARGES	T. COST	Sqr. Mtr.	RATE	S. AMOUNT	T. AMOUNT
CB 01	366	Sankarpur	142	2.25	0.45	0.6	0.81	115.02	32.57	46	100	3746.20	391.92	2.2	862.22	4608.43
CB 02	355	Sankarpur	106	2.25	0.45	0.6	0.81	85.86	32.57	34	100	2796.46	292.56	2.2	643.63	3440.09
CB 03	354	Sankarpur	115	2.25	0.45	0.6	0.81	93.15	32.57	37	100	3033.90	317.40	2.2	698.28	3732.18
CB 04	49	Sankarpur	273	2.25	0.45	0.6	0.81	221.13	32.57	89	100	7202.20	753.48	2.2	1657.66	8859.86
CB 05	119	Sankarpur	354	2.25	0.45	0.6	0.81	286.74	32.57	115	100	9339.12	977.04	2.2	2149.49	11488.61
CB 06	783	Sankarpur	402	2.25	0.45	0.6	0.81	325.62	32.57	130	100	10605.44	1109.52	2.2	2440.94	13046.39
CB 07	805	Sankarpur	291	2.25	0.45	0.6	0.81	235.71	32.57	94	100	7677.07	803.16	2.2	1766.95	9444.03
CB 08	808	Sankarpur	241	2.25	0.45	0.6	0.81	195.21	32.57	78	100	6357.99	665.16	2.2	1463.35	7821.34
CB 09	829	Sankarpur	513	2.25	0.45	0.6	0.81	415.53	32.57	166	100	13533.81	1415.88	2.2	3114.94	16648.75
CB 10	843	Sankarpur	253	2.25	0.45	0.6	0.81	204.93	32.57	82	100	6674.57	698.28	2.2	1536.22	8210.79
CB 11	846	Sankarpur	547	2.25	0.45	0.6	0.81	443.07	32.57	178	100	14430.79	1509.72	2.2	3321.38	17752.17
CB 12	911	Sankarpur	331	2.25	0.45	0.6	0.81	268.11	32.57	107	100	8732.34	913.56	2.2	2009.83	10742.17
CB 13	930	Sankarpur	365	2.25	0.45	0.6	0.81	295.65	32.57	118	100	9629.32	1007.40	2.2	2216.28	11845.60
CB 14	976	Sankarpur	549	2.25	0.45	0.6	0.81	444.69	32.57	178	100	14483.55	1515.24	2.2	3333.53	17817.08
CB 15	748	Sankarpur	157	2.25	0.45	0.6	0.81	127.17	32.57	51	100	4141.93	433.32	2.2	953.30	5095.23

CB 16	734	Sankarpur	244	2.25	0.4 5	0.6	0.8 1	197.6 4	32.5 7	79	100	6437.13	673.44	2.2	1481.5 7	7918.70
CB 17	653	Sankarpur	384	2.25	0.4 5	0.6	0.8 1	311.0 4	32.5 7	125	100	10130.5 7	1059.8 4	2.2	2331.6 5	12462.2 2
CB 18	653	Sankarpur	220	2.25	0.4 5	0.6	0.8 1	178.2 0	32.5 7	71	100	5803.97	607.20	2.2	1335.8 4	7139.81
CB 19	683	Sankarpur	329	2.25	0.4 5	0.6	0.8 1	266.4 9	32.5 7	107	100	8679.58	908.04	2.2	1997.6 9	10677.2 7
CB 20	655	Sankarpur	423	2.25	0.4 5	0.6	0.8 1	342.6 3	32.5 7	137	100	11159.4 6	1167.4 8	2.2	2568.4 6	13727.9 2
CB 21	653	Sankarpur	298	2.25	0.4 5	0.6	0.8 1	241.3 8	32.5 7	97	100	7861.75	822.48	2.2	1809.4 6	9671.20
CB 22	978	Sankarpur	413	2.25	0.4 5	0.6	0.8 1	334.5 3	32.5 7	134	100	10895.6 4	1139.8 8	2.2	2507.7 4	13403.3 8
CB 23	414	Sankarpur	271	2.25	0.4 5	0.6	0.8 1	219.5 1	32.5 7	88	100	7149.44	747.96	2.2	1645.5 1	8794.95
CB 24	419	Sankarpur	665	2.25	0.4 5	0.6	0.8 1	538.6 5	32.5 7	216	100	17543.8 3	1835.4 0	2.2	4037.8 8	21581.7 1
CB 25	614	Sankarpur	284	2.25	0.4 5	0.6	0.8 1	230.0 4	32.5 7	92	100	7492.40	783.84	2.2	1724.4 5	9216.85
CB 26	524	Sankarpur	182	2.25	0.4 5	0.6	0.8 1	147.4 2	32.5 7	59	100	4801.47	502.32	2.2	1105.1 0	5906.57
CB 27	1032	Sankarpur	277	2.25	0.4 5	0.6	0.8 1	224.3 7	32.5 7	90	100	7307.73	764.52	2.2	1681.9 4	8989.67
CB 28	1044	Sankarpur	390	2.25	0.4 5	0.6	0.8 1	315.9 0	32.5 7	127	100	10288.8 6	1076.4 0	2.2	2368.0 8	12656.9 4
CB 29	1046	Sankarpur	526	2.25	0.4 5	0.6	0.8 1	426.0 6	32.5 7	171	100	13876.7 7	1451.7 6	2.2	3193.8 7	17070.6 5
CB 30	1251	Sankarpur	263	2.25	0.4 5	0.6	0.8 1	213.0 3	32.5 7	85	100	6938.39	725.88	2.2	1596.9 4	8535.32
CB 31	1084	Sankarpur	373	2.25	0.4 5	0.6	0.8 1	302.1 3	32.5 7	121	100	9840.37	1029.4 8	2.2	2264.8 6	12105.2 3
TOTAL			10181					8246.61		3304		268592.09	28099.56		61819.03	330411.12

ESTIMATE OF MARGINAL BUNDS- SHANKARPUR													Soding Charges			
WOR K	KH. No.	NAME OF GP	LENGT H	BAS E	TO P	HIGH T	CS	EW	RAT E	MD	L. CHARGE S	T. COST	Sqr. Mtr.	RAT E	S. AMOUN T	T. AMOUN T
MB 01	818	Sankarpur	246	3.6	0.6	1	2.1 0	516.60	32.5 7	191	100	16825.6 6	1033.20	2.2	2273.04	19098.7 0
MB 02	822	Sankarpur	155	3.6	0.6	1	2.1 0	325.50	32.5 7	120	100	10601.5 4	651.00	2.2	1432.20	12033.7 4
MB 03	848/130 2	Sankarpur	223	3.6	0.6	1	2.1 0	468.30	32.5 7	173	100	15252.5 3	936.60	2.2	2060.52	17313.0 5
MB 04	829	Sankarpur	189	3.6	0.6	1	2.1 0	396.90	32.5 7	147	100	12927.0 3	793.80	2.2	1746.36	14673.3 9
MB 05	929	Sankarpur	517	3.6	0.6	1	2.1 0	1085.70	32.5 7	401	100	35361.2 5	2171.40	2.2	4777.08	40138.3 3
MB 06	926	Sankarpur	201	3.6	0.6	1	2.1 0	422.10	32.5 7	156	100	13747.8 0	844.20	2.2	1857.24	15605.0 4
MB 07	241	Sankarpur	323	3.6	0.6	1	2.1 0	678.30	32.5 7	251	100	22092.2 3	1356.60	2.2	2984.52	25076.7 5
MB 08	198	Sankarpur	342	3.6	0.6	1	2.1 0	718.20	32.5 7	266	100	23391.7 7	1436.40	2.2	3160.08	26551.8 5
MB 09	202	Sankarpur	121	3.6	0.6	1	2.1 0	254.10	32.5 7	94	100	8276.04	508.20	2.2	1118.04	9394.08
MB 10	542	Sankarpur	137	3.6	0.6	1	2.1 0	287.70	32.5 7	106	100	9370.39	575.40	2.2	1265.88	10636.2 7
MB 11	549	Sankarpur	269	3.6	0.6	1	2.1 0	564.90	32.5 7	209	100	18398.7 9	1129.80	2.2	2485.56	20884.3 5
MB 12	613	Sankarpur	345	3.6	0.6	1	2.1 0	724.50	32.5 7	268	100	23596.9 7	1449.00	2.2	3187.80	26784.7 7
MB 13	582	Sankarpur	262	3.6	0.6	1	2.1 0	550.20	32.5 7	203	100	17920.0 1	1100.40	2.2	2420.88	20340.8 9
MB 14	596	Sankarpur	373	3.6	0.6	1	2.1 0	783.30	32.5 7	290	100	25512.0 8	1566.60	2.2	3446.52	28958.6 0
MB 15	860	Sankarpur	164	3.6	0.6	1	2.1 0	344.40	32.5 7	127	100	11217.1 1	688.80	2.2	1515.36	12732.4 7
MB 16	1215	Sankarpur	374	3.6	0.6	1	2.1 0	785.40	32.5 7	290	100	25580.4 8	1570.80	2.2	3455.76	29036.2 4
MB 17	1074	Sankarpur	241	3.6	0.6	1	2.1 0	506.10	32.5 7	187	100	16483.6 8	1012.20	2.2	2226.84	18710.5 2
MB 18	1057	Sankarpur	431	3.6	0.6	1	2.1 0	905.10	32.5 7	335	100	29479.1 1	1810.20	2.2	3982.44	33461.5 5
TOTAL			4913					10317.3 0		381 4		336034.4 6	20634.6 0		45396.12	381430.5 8

ESTIMATE OF PERIPHERL BUNDS- SHANKARPUR														Soding Charges		
WORK	KH. No.	NAME OF GP	LENGTH	BASE	TOP	HIGHT	CS	EW	RATE	MD	L. CHARGES	T. COST	Sqr. Mtr.	RATE	S. AMOUNT	T. AMOUNT
PB 01	427	Sankarpur	164	3.6	0.6	1	2.10	344.40	32.57	127	100	11217.11	688.80	2.2	1515.36	12732.47
PB 02	620	Sankarpur	198	3.6	0.6	1	2.10	415.80	32.57	154	100	13542.61	831.60	2.2	1829.52	15372.13
PB 03	629	Sankarpur	102	3.6	0.6	1	2.10	214.20	32.57	79	100	6976.49	428.40	2.2	942.48	7918.97
PB 04	626	Sankarpur	271	3.6	0.6	1	2.10	569.10	32.57	210	100	18535.59	1138.20	2.2	2504.04	21039.63
PB 05	551	Sankarpur	663	3.6	0.6	1	2.10	1392.30	32.57	515	100	45347.21	2784.60	2.2	6126.12	51473.33
PB 06	580	Sankarpur	122	3.6	0.6	1	2.10	256.20	32.57	95	100	8344.43	512.40	2.2	1127.28	9471.71
PB 07	546	Sankarpur	73	3.6	0.6	1	2.10	153.30	32.57	57	100	4992.98	306.60	2.2	674.52	5667.50
PB 08	546	Sankarpur	44	3.6	0.6	1	2.10	92.40	32.57	34	100	3009.47	184.80	2.2	406.56	3416.03
PB 09	580	Sankarpur	523	3.6	0.6	1	2.10	1098.30	32.57	406	100	35771.63	2196.60	2.2	4832.52	40604.15
PB 10	P	Sankarpur	226	3.6	0.6	1	2.10	474.60	32.57	175	100	15457.72	949.20	2.2	2088.24	17545.96
TOTAL			2386					5010.60		1852		163195.24	10021.20		22046.64	185241.88

ESTIMATE OF SUMBERGENCE BUNDS- SHANKARPUR														Soding Charges		
WORK	KH. No.	NAME OF GP	LENGTH	BAS E	TO P	HIGH T	CS	EW	RAT E	MD	L. CHARGE S	T. COST	Sqr. Mtr.	RAT E	S. AMOUN T	T. AMOUN T
SB 01	118	Sankarpur	879	4	2	1	3.0 0	2637.00	32.57	967	100	85887.09	4922.40	2.2	10829.2 8	96716.37
SB 02	129	Sankarpur	88	4	2	1	3.0 0	264.00	32.57	97	100	8598.48	492.80	2.2	1084.16	9682.64
SB 03	811	Sankarpur	371	4	2	1	3.0 0	1113.00	32.57	408	100	36250.41	2077.60	2.2	4570.72	40821.13
SB 04	854	Sankarpur	572	4	2	1	3.0 0	1716.00	32.57	629	100	55890.12	3203.20	2.2	7047.04	62937.16
SB 05	134	Sankarpur	636	4	2	1	3.0 0	1908.00	32.57	700	100	62143.56	3561.60	2.2	7835.52	69979.08
SB 06	380	Sankarpur	203	4	2	1	3.0 0	609.00	32.57	223	100	19835.13	1136.80	2.2	2500.96	22336.09
SB 07	521	Sankarpur	338	4	2	1	3.0 0	1014.00	32.57	372	100	33025.98	1892.80	2.2	4164.16	37190.14
SB 08	542	Sankarpur	339	4	2	1	3.0 0	1017.00	32.57	373	100	33123.69	1898.40	2.2	4176.48	37300.17
TOTAL			3426					10278.0 0		377 0		334754.4 6	19185.6 0		42208.32	376962.7 8

ESTIMATE OF CONTOUR BUNDS- TENDUWA RATANPUR													Soding Charges			
WORK	KH. No.	NAME OF GP	LENGTH	BASE	TOP	HIGHT	CS	EW	RATE	MD	L. CHARGES	T. COST	Sqr. Mtr.	RATE	S. AMOUNT	T. AMOUNT
CB 001	54	Tanduwa Ratanpur	177	2.25	0.45	0.6	0.81	143.37	32.57	57	100	4669.56	488.52	2.2	1074.74	5744.30
CB 002		Tanduwa Ratanpur	406	2.25	0.45	0.6	0.81	328.86	32.57	132	100	10710.97	1120.56	2.2	2465.23	13176.20
CB 003	162	Tanduwa Ratanpur	156	2.25	0.45	0.6	0.81	126.36	32.57	51	100	4115.55	430.56	2.2	947.23	5062.78
CB 004	P	Tanduwa Ratanpur	163	2.25	0.45	0.6	0.81	132.03	32.57	53	100	4300.22	449.88	2.2	989.74	5289.95
CB 005	19	Tanduwa Ratanpur	134	2.25	0.45	0.6	0.81	108.54	32.57	43	100	3535.15	369.84	2.2	813.65	4348.80
CB 006	21/976	Tanduwa Ratanpur	112	2.25	0.45	0.6	0.81	90.72	32.57	36	100	2954.75	309.12	2.2	680.06	3634.81
CB 007	P	Tanduwa Ratanpur	30	2.25	0.45	0.6	0.81	24.30	32.57	10	100	791.45	82.80	2.2	182.16	973.61
CB 008	430	Tanduwa Ratanpur	197	2.25	0.45	0.6	0.81	159.57	32.57	64	100	5197.19	543.72	2.2	1196.18	6393.38
CB 009	443	Tanduwa Ratanpur	192	2.25	0.45	0.6	0.81	155.52	32.57	62	100	5065.29	529.92	2.2	1165.82	6231.11
CB 010	449	Tanduwa Ratanpur	139	2.25	0.45	0.6	0.81	112.59	32.57	45	100	3667.06	383.64	2.2	844.01	4511.06
CB 011	490	Tanduwa Ratanpur	179	2.25	0.45	0.6	0.81	144.99	32.57	58	100	4722.32	494.04	2.2	1086.89	5809.21
CB 012	481	Tanduwa Ratanpur	157	2.25	0.45	0.6	0.81	127.17	32.57	51	100	4141.93	433.32	2.2	953.30	5095.23
CB 013	241	Tanduwa Ratanpur	155	2.25	0.45	0.6	0.81	125.55	32.57	50	100	4089.16	427.80	2.2	941.16	5030.32
CB 014	241	Tanduwa Ratanpur	95	2.25	0.45	0.6	0.81	76.95	32.57	31	100	2506.26	262.20	2.2	576.84	3083.10
CB 015	97	Tanduwa Ratanpur	18	2.25	0.45	0.6	0.81	14.58	32.57	6	100	474.87	49.68	2.2	109.30	584.17
CB 016	97	Tanduwa Ratanpur	198	2.25	0.45	0.6	0.81	160.38	32.57	64	100	5223.58	546.48	2.2	1202.26	6425.83
CB 017	111	Tanduwa Ratanpur	102	2.25	0.45	0.6	0.81	82.62	32.57	33	100	2690.93	281.52	2.2	619.34	3310.28
CB 018	145	Tanduwa Ratanpur	174	2.25	0.45	0.6	0.81	140.94	32.57	56	100	4590.42	480.24	2.2	1056.53	5646.94
CB 019	155	Tanduwa Ratanpur	150	2.25	0.45	0.6	0.81	121.50	32.57	49	100	3957.26	414.00	2.2	910.80	4868.06
CB 020	258	Tanduwa Ratanpur	232	2.25	0.45	0.6	0.81	187.92	32.57	75	100	6120.55	640.32	2.2	1408.70	7529.26

CB 021	P	Tanduwa Ratanpur	369	2.25	0.45	0.6	0.81	298.89	32.57	120	100	9734.85	1018.44	2.2	2240.57	11975.42
CB 022	289	Tanduwa Ratanpur	44	2.25	0.45	0.6	0.81	35.64	32.57	14	100	1160.79	121.44	2.2	267.17	1427.96
CB 023	530	Tanduwa Ratanpur	308	2.25	0.45	0.6	0.81	249.48	32.57	100	100	8125.56	850.08	2.2	1870.18	9995.74
CB 024	535	Tanduwa Ratanpur	111	2.25	0.45	0.6	0.81	89.91	32.57	36	100	2928.37	306.36	2.2	673.99	3602.36
CB 025	526	Tanduwa Ratanpur	70	2.25	0.45	0.6	0.81	56.70	32.57	23	100	1846.72	193.20	2.2	425.04	2271.76
CB 026	530	Tanduwa Ratanpur	70	2.25	0.45	0.6	0.81	56.70	32.57	23	100	1846.72	193.20	2.2	425.04	2271.76
CB 027	510	Tanduwa Ratanpur	174	2.25	0.45	0.6	0.81	140.94	32.57	56	100	4590.42	480.24	2.2	1056.53	5646.94
CB 028	507	Tanduwa Ratanpur	32	2.25	0.45	0.6	0.81	25.92	32.57	10	100	844.21	88.32	2.2	194.30	1038.52
CB 029	510	Tanduwa Ratanpur	35	2.25	0.45	0.6	0.81	28.35	32.57	11	100	923.36	96.60	2.2	212.52	1135.88
CB 030	559	Tanduwa Ratanpur	144	2.25	0.45	0.6	0.81	116.64	32.57	47	100	3798.96	397.44	2.2	874.37	4673.33
CB 031	580	Tanduwa Ratanpur	172	2.25	0.45	0.6	0.81	139.32	32.57	56	100	4537.65	474.72	2.2	1044.38	5582.04
CB 032	585	Tanduwa Ratanpur	241	2.25	0.45	0.6	0.81	195.21	32.57	78	100	6357.99	665.16	2.2	1463.35	7821.34
CB 033	563	Tanduwa Ratanpur	147	2.25	0.45	0.6	0.81	119.07	32.57	48	100	3878.11	405.72	2.2	892.58	4770.69
CB 034	565	Tanduwa Ratanpur	135	2.25	0.45	0.6	0.81	109.35	32.57	44	100	3561.53	372.60	2.2	819.72	4381.25
CB 035	589	Tanduwa Ratanpur	94	2.25	0.45	0.6	0.81	76.14	32.57	31	100	2479.88	259.44	2.2	570.77	3050.65
CB 036	589	Tanduwa Ratanpur	70	2.25	0.45	0.6	0.81	56.70	32.57	23	100	1846.72	193.20	2.2	425.04	2271.76
CB 037	419	Tanduwa Ratanpur	183	2.25	0.45	0.6	0.81	148.23	32.57	59	100	4827.85	505.08	2.2	1111.18	5939.03
CB 038	682	Tanduwa Ratanpur	186	2.25	0.45	0.6	0.81	150.66	32.57	60	100	4907.00	513.36	2.2	1129.39	6036.39
CB 039	695	Tanduwa Ratanpur	197	2.25	0.45	0.6	0.81	159.57	32.57	64	100	5197.19	543.72	2.2	1196.18	6393.38
CB 040	791	Tanduwa Ratanpur	194	2.25	0.45	0.6	0.81	157.14	32.57	63	100	5118.05	535.44	2.2	1177.97	6296.02
CB 041	926	Tanduwa Ratanpur	190	2.25	0.45	0.6	0.81	153.90	32.57	62	100	5012.52	524.40	2.2	1153.68	6166.20
CB 042	947	Tanduwa Ratanpur	51	2.25	0.45	0.6	0.81	41.31	32.57	17	100	1345.47	140.76	2.2	309.67	1655.14

CB 043	944	Tanduwa Ratanpur	124	2.25	0.45	0.6	0.81	100.44	32.57	40	100	3271.33	342.24	2.2	752.93	4024.26
CB 044	933	Tanduwa Ratanpur	52	2.25	0.45	0.6	0.81	42.12	32.57	17	100	1371.85	143.52	2.2	315.74	1687.59
CB 045	938	Tanduwa Ratanpur	103	2.25	0.45	0.6	0.81	83.43	32.57	33	100	2717.32	284.28	2.2	625.42	3342.73
CB 046	954	Tanduwa Ratanpur	190	2.25	0.45	0.6	0.81	153.90	32.57	62	100	5012.52	524.40	2.2	1153.68	6166.20
CB 047	888	Tanduwa Ratanpur	147	2.25	0.45	0.6	0.81	119.07	32.57	48	100	3878.11	405.72	2.2	892.58	4770.69
CB 049	893	Tanduwa Ratanpur	112	2.25	0.45	0.6	0.81	90.72	32.57	36	100	2954.75	309.12	2.2	680.06	3634.81
CB 050	848	Tanduwa Ratanpur	169	2.25	0.45	0.6	0.81	136.89	32.57	55	100	4458.51	466.44	2.2	1026.17	5484.68
CB 051	838	Tanduwa Ratanpur	316	2.25	0.45	0.6	0.81	255.96	32.57	103	100	8336.62	872.16	2.2	1918.75	10255.37
CB 052	769	Tanduwa Ratanpur	154	2.25	0.45	0.6	0.81	124.74	32.57	50	100	4062.78	425.04	2.2	935.09	4997.87
CB 053	777	Tanduwa Ratanpur	132	2.25	0.45	0.6	0.81	106.92	32.57	43	100	3482.38	364.32	2.2	801.50	4283.89
CB 054	784	Tanduwa Ratanpur	110	2.25	0.45	0.6	0.81	89.10	32.57	36	100	2901.99	303.60	2.2	667.92	3569.91
CB0 48	895	Tanduwa Ratanpur	111	2.25	0.45	0.6	0.81	89.91	32.57	36	100	2928.37	306.36	2.2	673.99	3602.36
TOTAL			8103					6563.43		2630		213770.92	22364.28		49201.42	262972.33

ESTIMATE OF MARGINAL BUNDS- TENDUWA RATANPUR													Soding Charges			
WORK	KH. No.	NAME OF GP	LENGTH	BAS E	TO P	HIGH T	CS	EW	RAT E	MD	L. CHARG ES	T. COST	Sqr. Mtr.	RAT E	S. AMOUNT	T. AMOUNT
MB 001	661	Tanduwa Ratanpur	264	3.6	0.6	1	2.10	554.40	32.57	205	100	18056.81	1108.80	2.2	2439.36	20496.17
MB 002	675	Tanduwa Ratanpur	211	3.6	0.6	1	2.10	443.10	32.57	164	100	14431.77	886.20	2.2	1949.64	16381.41
MB 003	695	Tanduwa Ratanpur	401	3.6	0.6	1	2.10	842.10	32.57	311	100	27427.20	1684.20	2.2	3705.24	31132.44
MB 004	828	Tanduwa Ratanpur	420	3.6	0.6	1	2.10	882.00	32.57	326	100	28726.74	1764.00	2.2	3880.80	32607.54
MB 005	842	Tanduwa Ratanpur	86	3.6	0.6	1	2.10	180.60	32.57	67	100	5882.14	361.20	2.2	794.64	6676.78
MB 006	842	Tanduwa Ratanpur	83	3.6	0.6	1	2.10	174.30	32.57	64	100	5676.95	348.60	2.2	766.92	6443.87
MB 007	828	Tanduwa Ratanpur	428	3.6	0.6	1	2.10	898.80	32.57	332	100	29273.92	1797.60	2.2	3954.72	33228.64
MB 008		Tanduwa Ratanpur	175	3.6	0.6	1	2.10	367.50	32.57	136	100	11969.48	735.00	2.2	1617.00	13586.48
MB 009	655	Tanduwa Ratanpur	127	3.6	0.6	1	2.10	266.70	32.57	99	100	8686.42	533.40	2.2	1173.48	9859.90
MB 010	656	Tanduwa Ratanpur	256	3.6	0.6	1	2.10	537.60	32.57	199	100	17509.63	1075.20	2.2	2365.44	19875.07
MB 011	P	Tanduwa Ratanpur	88	3.6	0.6	1	2.10	184.80	32.57	68	100	6018.94	369.60	2.2	813.12	6832.06
MB 012	574/982	Tanduwa Ratanpur	160	3.6	0.6	1	2.10	336.00	32.57	124	100	10943.52	672.00	2.2	1478.40	12421.92
MB 013	P	Tanduwa Ratanpur	125	3.6	0.6	1	2.10	262.50	32.57	97	100	8549.63	525.00	2.2	1155.00	9704.63
MB 014	540	Tanduwa Ratanpur	203	3.6	0.6	1	2.10	426.30	32.57	158	100	13884.59	852.60	2.2	1875.72	15760.31
MB 015	574/982	Tanduwa Ratanpur	325	3.6	0.6	1	2.10	682.50	32.57	252	100	22229.03	1365.00	2.2	3003.00	25232.03
TOTAL			3352					7039.20		2602		229266.74	14078.40		30972.48	260239.22

ESTIMATE OF PERIPHERAL BUNDS- TENDUWA RATANPUR													Soding Charges			
WORK	KH. No.	NAME OF GP	LENGTH	BAS E	TO P	HIGH T	CS	EW	RAT E	MD	L. CHARGE S	T. COST	Sqr. Mtr.	RAT E	S. AMOUNT	T. AMOUNT
PB 001	664	Tanduwa Ratanpur	262	3.6	0.6	1	2.10	550.20	32.57	203	100	17920.01	1100.40	2.2	2420.88	20340.89
PB 002	901	Tanduwa Ratanpur	2367	3.6	0.6	1	2.10	4970.70	32.57	1838	100	161895.70	9941.40	2.2	21871.08	183766.78
PB 003	947	Tanduwa Ratanpur	1614	3.6	0.6	1	2.10	3389.40	32.57	1253	100	110392.76	6778.80	2.2	14913.36	125306.12
PB 004	33	Tanduwa Ratanpur	73	3.6	0.6	1	2.10	153.30	32.57	57	100	4992.98	306.60	2.2	674.52	5667.50
PB 005	38	Tanduwa Ratanpur	182	3.6	0.6	1	2.10	382.20	32.57	141	100	12448.25	764.40	2.2	1681.68	14129.93
PB 006	38	Tanduwa Ratanpur	169	3.6	0.6	1	2.10	354.90	32.57	131	100	11559.09	709.80	2.2	1561.56	13120.65
PB 007	33	Tanduwa Ratanpur	74	3.6	0.6	1	2.10	155.40	32.57	57	100	5061.38	310.80	2.2	683.76	5745.14
TOTAL			4741					9956.10		3681		324270.18	19912.20		43806.84	368077.02

Preparation of DPR

Detail Project Report of Integrated Watershed Management Programme IWMP-III had been prepared through base line/ bench Mark survey for physiography climate, soil, land use, vegetation, and hydrology and socio economic data analysis. PRA have been exercised to collect primary data, secondary data have been collected from Revenue, Statistics department, Statistical Magazine of the district Shravasti, Topo sheet (1 : 50000) survey of India- Deheradoon and technical & specific input for preparation and drafting of detail project report provided by Advanced Geotech Solutions, Lucknow.

S. NO.	Name	Designation
1	2	3
1	Moh A. Khan	Bhoomi Sanrakshan Adhikari
2	Sri R.B. Yadav	Junior Engineer
3	Sri S.J. Verma	Junior Engineer
4	Sri B.K.Gautam	
5	Sri R.P. Shukla	Accountant