BAR BENDING SCHEDULE

MEMBER	BAR MARK	TYPE & SIZE	No. OF MEMBERS	No. IN EACH	TOTAL No.	LENGTH BAR	SHAPE	SQ. M. A 252	LENGTH Y 8	LENGTH Y 10	LENGTH Y 12	LENGTH Y16
INTAKE ARRANGEMENT	01	A252	1				Square mesh fabric	8				
AND FLOCCULATION												
CHAMBER	03	A252	1				Square mesh fabric	200				
BOTTOM SLAB	04	Y10	1	50	50	1250	550 550 150			62.5		
	05	Y10	1	50	50	1250	550 550 150			62.5		
	06	Y10	1	58	58	1250	550 550 150			72.5		
	07	Y10	1	58	58	1250	550 550 150			72.5		
	08	Y10	1	46	46	1250	550 550 150			57.5		
	09	Y10	1	20	20	1250	550 550 150			25.0		
	10	Y10	1	20	20	1250	550 550 150			25.0		
	11	Y 10	1	16	16	1250	550 550 150			20.0		
	12	Y 10	1	17	17	1250	950 950 150			34.9		
	13	Y 10	1	8	8	1250	550 650 150			10.0		
WALL (1)	15	Y 10	1	50	50	1050	1050			52.5		
	16	Y 10	1	50	50	950	950			47.5		
	17	Y 10	1	6	6	8200	600 7000 600			49.2		
	18	Y 10	1	6	6	8200	450 7300 450			49.2		
WALL (2)	19	Y 10	1	50	50	1050	1050			52.5		
	20	Y 10	1	50	50	950	950			47.5		
	21	Y 10	1	6	6	8200	600 7000 600			49.2		
	22	Y 10	1	6	6	8200	450 7300 450			49.2		
WALL (3)	23	Y 10	1	112	112	1100	1100			123.2		
	24	Y 10	1	12	12	8500	8500			102.0		
	25	Y 10	1	7	7	1000	500 500			7.0		
WALL (4)	26	Y 10	1	36	36	950	950			34.2		
	27	Y 10	1	36	36	950	950			34.2		
	28	Y 10	1	21	21	1400	1400			29.4		
	29	Y 10	1	21	21	2800	1400 1400 Bending in situ			58.8		
	30	Y 10	1	12	12	8500	8500			102.0		
WALL (5)	31	Y 10	1	46	46	1500	500 1000 Bending in situ			69.0		
	32	Y 10	1	46	46	1400	500 900 Bending in situ			64.4		
	33	Y 10	1	12	12	6800	6800			81.6		
	34	Y 10	1	7	7	7300	7300			51.1		
WALL (3 & 5)	35	Y 10	1	12	12	1000	500 500			12.0		
WALL (4 & 6)	37	Y 10	1	12	12	1000	500 500			12.0		
WALL (6)	38	Y 10	1	42	42	1000	1000			42.0		
	39	Y 10	1	9	9	1200	600 600			10.8		
	40	Y 10	1	8	8	3450	2950 500			27.6		
	41	Y 10	1	8	8	3450	2800 650			27.6		
WALL (7 & 4)	42	Y 10	1	12	12	1000	500 500			12.0		
WALL (7)	43	Y 10	1	40	40	1400	1400			56.0		
	44	Y 10	1	9	9	1200	600 600			10.8		
	45	Y 10	1	8	8	3450	500 2950 500			27.6		
	46	Y 10	1	8	8	3450	650 2800 650			27.6		
WALL (8)	47	Y 10	1	32	32	1400	1400			44.8		
	48	Y 10	1	16	16	2400	2400			38.4		
WALL (9&6)	49	Y 10	1	16	16	850	500 350			13.6		
WALL (9&7)	50	Y 10	1	16	16	850	500 350			13.6		
WALL (9&10)	51	Y 10	1	4	4	850	350 500			3.4		
WALL (9)	52	Y 10	1	4	4	850	350 500			3.4		

MEMBER	BAR MARK	TYPE & SIZE	No. OF MEMBERS	No. IN EACH	TOTAL No.	LENGTH BAR	SHAPE	SQ. M. A 252	LENGTH Y 8	LENGTH Y 10	LENGTH Y 12	LENGTH Y16
WALL (9)	53	Y 10	1	2	2	2000	600 1400 Bending in situ			4.0		
	54	Y 10	1	5	5	2000	600 1400 Bending in situ			10.0		
	55	Y 10	1	2	2	2000	600 1400 Bending in situ			4.0		
	56	Y 10	1	8	8	3050	3050			24.4		
WALL (10)	57	Y 10	1	16	16	2000	600 1400 Bending in situ			32.0		
	58	Y 10	1	16	16	1450	1450			23.2		
TOP SLAB	59	Y 10	1	20	20	1490	1490			29.8		
	60	Y 10	1	18	18	3050	3050			54.9		
BAFFLES	61	A 252	364	1	364	520X720	SQ. MESH FABRIC	136				
	62	Y 10	1	4	4	3000	3000			12.0		
SEDIMENTATION	70	A252	1				SQ. MESH FABRIC	360				
TANKS, BOTTOM	71	Y 16	1	78	78	1350	600 600 150					105.3
SLAB	72	Y 16	1	78	78	1350	600 600 150					105.3
	73	Y 16	1	44	44	1350	600 600 150					59.4
	74	Y 16	1	44	44	1350	600 600 150					59.4
	75	Y 16	1	76	76	1350	600 600 150					102.6
SIDE WALL(1)	76	Y 16	1	44	44	2950	2950					129.8
	77	Y 16	1	10	10	3450	3450					34.5
	78	Y 16	1	50	50	2950	2950					147.5
	79	Y 16	1	54	54	2750	2750					148.5
	80	Y 10	1	16	16	6150	5600 550			98.4		
	81	Y 10	1	16	16	6150	5450 700			98.4		
	82	Y 10	1	16	16	11300	550 10750			180.8		
	83	Y 10	1	16	16	11300	700 10600			180.8		
	84	Y 10	1	7	7	1400	600 800 Bending in situ			9.8		
SIDE WALL(2)	85	Y 16	1	44	44	2950	2950					129.8
	86	Y 16	1	10	10	3450	3450					34.5
	87	Y 16	1	50	50	2950	2950					147.5
	88	Y 10	1	54	54	2750	2750					148.5
	89	Y 12	1	16	16	6150	550 5600 550			98.4		
	90	Y 10	1	16	16	6150	700 5450 700			98.4		
	91	Y 10	1	16	16	11300	10750 550			180.8		
	92	Y 10	1	16	16	11300	10600 700			180.8		
	93	Y 10	1	40	40	1450	600 850 Bending in situ			58.0		
END WALL 3	95	Y 16	1	84	84	2950	2950					247.8
	96	Y 10	1	32	32	8500	8500			272.0		
	97	Y 10	1	15	15	1200	500 350			18.0		
SUB TOTAL								704.0		3648.2		1600.4

MINISTRY OF WATER & IRRIGATION- MAJI HOUSE

STANDARD 3000M³ PER DAY TREATMENT PLANT

BAR BENDING SCHEDULE

DESIGNED	M. CHRISTIANSEN	APRIL 1987	SHEET 21 OF 25
TRACED	M. ODIKO	APRIL 1987	SCALE: AS SHOWN
DIGITIZED	W. AMWATA	MAR 2010	DRG. NO.
CHECKED	ENG. B.I KASABULI	MAR 2010	M.W.I
APPROVED	D.W.S	JUNE 2010	003-STD-015