

LIST OF TABLES

SERIAL NO.	LIST OF TABLES	PAGE NO.
Table 3.1	Areas of nine subwatersheds of Directly Draining Catchment of Dibang River	03-4
Table 3.2	Slope Details of Directly Draining Catchment	03-5
Table 3.3	Slope Details of nine Subwatersheds of Directly Draining Catchment	03-5
Table 3.4	Landuse Details of Directly Draining Catchment	03-8
Table 3.5	Subwatershed wise Land use/Land cover Details	03-8
Table 3.6	Landuse of Submergence Area	03-10
Table 3.7	Soil Details of Directly Draining Catchment	03-11
Table 3.8	EIMU Details	03-15
Table 3.9	Delivery Ratio (DR)	03-16
Table 3.10	Calculation of Sediment Yield Index	03-17
Table 3.11	Relation of Priority Categories and SYI Values	03-21
Table 3.12	SYI Values assigned to different subwatersheds	03-21
Table 3.13	Priority ranking assigned to different subwatersheds	03-22
Table 3.14	Details of the Engineering and biological works to be undertaken under CAT Plan for the Dibang Multipurpose project	03-23
Table 3.15	Year-wise Treatment of subwatershed 3A2C4 of Dibang Multipurpose Project	03-24
Table 3.16	Year-wise Treatment of subwatershed 3A2C7 of Dibang Multipurpose Project	03-24
Table 3.17	Year-wise Treatment of subwatershed 3A2D1 of Dibang Multipurpose Project	03-24
Table 3.18	Year-wise Treatment of subwatershed 3A2D2 of Dibang Multipurpose Project	03-25
Table 3.19	Year-wise Treatment of subwatershed 3A2F5 of Dibang Multipurpose Project	03-25
Table 3.20	Year-wise Treatment of subwatershed 3A2G3 of Dibang Multipurpose Project	03-25
Table 3.21	Year-wise Treatment of subwatershed 3A2G4 of Dibang Multipurpose Project	03-26
Table 3.22	Year-wise Treatment of subwatershed 3A2H2 of Dibang	03-26

	Multipurpose Project	
Table 3.23	Year-wise Treatment of subwatershed 3A2H3 of Dibang Multipurpose Project	03-26
Table 3.24	Year wise break up of the work to be done under CAT Plan	03-27
Table 3.25	Unit Cost of Silt retention Dam	03-28
Table 3.26	Unit Cost of Brushwood Check Dam	03-30
Table 3.27	Unit Cost of Loose Boulder Check Dam	03-31
Table 3.28	Unit Cost of Gabion Structure	03-33
Table 3.29	Sub watershed wise break-up of cost estimate on CAT Plan	03-36
Table 3.30	Year-wise estimate of costs on different treatment works	03-37
Table 3.31	Total cost of Catchment Area Treatment	03-38
Table 5.1	List of Migratory fishes	05-2
Table 5.2	Cost estimates for fish management	05-10
Table 7.1	Categories and types of landslides encountered in the reservoir area of Dibang Multipurpose Project	07-1
Table 7.2	Cost estimates for Geo-textiles	07-12
Table 7.3	Details of Measurement and Calculation of Quantitie	07-13
Table 7.4	Financial outlay for Geo-environmental management plan	07-18
Table 8.1	Calculation of Muck to be disposed of	08-2
Table 8.2	Details of Muck Disposal Areas	08-2
Table 8.3	Area for Remediation	08-24
Table 8.4	Financial Outlay	08-28
Table 9.1	Proposed borrow areas/excavated rock material for dam & underground structures	09-2
Table 9.2	Cost estimate for restoration of quarry sites	09-9
Table 11.1	Details of Para-medical staff for Dispensary	11-3
Table 12.1	Quantities of SW & Biodegradable Waste	12-10
Table 12.2	Estimation of Quantity of Waste to be disposed to Landfill	12-11
Table 12.3	Cost Estimate for Sanitary Facilities for Labour Camps	12-22
Table 12.4	Financial Requirement for Developing Recommend solid Waste Management System and sanitation	12-23
Table 14.1	Detailed Financial Outlay for Land Compensation along with Rights & Privileges	14-7
Table 14.2	R & R Benefits with Budget	14-10
Table 14.3	Financial Outlay for providing Infrastructural Facilities	14-13

Table 14.4	Summary of Budget for Resettlement & Rehabilitation Plan	14-20
Table 15.1	The estimated cost of setting up of a satellite communication system	15-28
Table 15.2	Summary of cost estimates for disaster management	15-30

LIST OF MAPS

SERIAL NO.	LIST OF MAPS
Map 3.1	Drainage map of directly draining catchment
Map 3.2	Index map of nine subwatersheds of directly draining catchment
Map 3.3	Slope map of directly draining catchment
Map 3.4	Land use / land cover map of Directly Draining Catchment
Map 3.4A	Land use Map of submergence area
Map 3.5	Soil Details of Directly Draining Catchment
Map 3.6	Analytical map of subwatershed 3A2C4
Map 3.7	Analytical map of subwatershed 3A2C7
Map 3.8	Analytical map of subwatershed 3A2D1
Map 3.9	Analytical map of subwatershed 3A2D2
Map 3.10	Analytical map of subwatershed 3A2F5
Map 3.11	Analytical map of subwatershed 3A2G3
Map 3.12	Analytical map of subwatershed 3A2G4
Map 3.13	Analytical map of subwatershed 3A2H2
Map 3.14	Analytical map of subwatershed 3A2H3
Map 3.15	Erosion Intensity Map of the Directly Draining Catchment
Map 3.16	Treatment Measures Propose Subwatershed No. 3A2C4
Map 3.17	Treatment Measures Propose Subwatershed No. 3A2C7
Map 3.18	Treatment Measures Propose Subwatershed No. 3A2D1
Map 3.19	Treatment Measures Propose Subwatershed No. 3A2D2
Map 3.20	Treatment Measures Propose Subwatershed No. 3A2F5
Map 3.21	Treatment Measures Propose Subwatershed No. 3A2G3
Map 3.22	Treatment Measures Propose Subwatershed No. 3A2G4
Map 3.23	Treatment Measures Propose Subwatershed No. 3A2H2
Map 3.24	Treatment Measures Propose Subwatershed No. 3A2H3
Map 8.1	Muck Disposal Area near Switch Yard (Pot yard) – Site 1
Map 8.2	Muck Disposal Area between Thar Pahar & Akakorong – Site 2
Map 8.3	Muck Disposal Area between Akakorong & Ayakorong
Map 8.4	Section 1 of Muck Disposal Area 1 near Switch Yard

Map 8.5	Section 2 of Muck Disposal Area 1 near Switch Yard
Map 8.6	Section 3 of Muck Disposal Area 1 near Switch Yard
Map 8.7	Section 4 of Muck Disposal Area 1 near Switch Yard
Map 8.8	Section 5 of Muck Disposal Area 1 near Switch Yard
Map 8.9	Section 1 of Muck Disposal Area 2 between Thar Pahar & Aka Korong
Map 8.10	Section 2 of Muck Disposal Area 2 between Thar Pahar & Aka Korong
Map 8.11	Section 3 of Muck Disposal Area 2 between Thar Pahar & Aka Korong
Map 8.12	Section 4 of Muck Disposal Area 2 between Thar Pahar & Aka Korong
Map 8.13	Section 5 of Muck Disposal Area 2 between Thar Pahar & Aka Korong
Map 8.14	Section 6 of Muck Disposal Area 2 between Thar Pahar & Aka Korong
Map 8.15	Section 7 of Muck Disposal Area 2 between Thar Pahar & Aka Korong
Map 8.16	Section 8 of Muck Disposal Area 2 between Thar Pahar & Aka Korong
Map 8.17	Section 9 of Muck Disposal Area 2 between Thar Pahar & Aka Korong
Map 8.18	Section 1 of Muck Disposal Area 2 between Aya Korong & Aka Korong
Map 8.19	Section 2 of Muck Disposal Area 2 between Aya Korong & Aka Korong
Map 8.20	Section 3 of Muck Disposal Area 2 between Aya Korong & Aka Korong
Map 9.1	Location map of Quarry Sites
Map 9.2	Epali Impervious Soil Deposit
Map 9.3	Yagang Impervious Soil Deposit

LIST OF FIGURES

SERIAL NO.	LIST OF FIGURES	PAGE NO.
Fig. 3.1	Schematic representation of Countour Bund	03-29
Fig. 3.2	Schematic and pictorial representation of loose boulder check dam	03-32
Fig. 7.1	Wedge shaped trenches	07-8
Fig. 7.2	Coir Rope	07-8
Fig. 7.3	Schematic view of restoration plan for landslide L 60	07-9
Fig. 7.4	Schematic view of restoration plan for landslide L 39	07-10
Fig. 7.5	Schematic view of restoration plan for landslide L 13	07-11
Fig. 8.1	Schematic representation of plantation using VAM technique	08-26
Fig. 12.1	Perspective view of Sanitary Landfill Facility (Phase I)	12-15
Fig. 15.1	Different terrain condition	15-11
Fig. 15.2	Graph showing variation of channel width along the channel reach	15-13
Fig. 15.3	Channel bed and computed flow profiles	15-14
Fig. 15.4	Flow conditions at different time, i, e., Froud number of the flow	15-16
Fig. 15.5	Plan of Dibang River	15-17
Fig. 15.6	Approximated channel section	15-18
Fig. 15.7(a)	Flow at 40 km d/s	15-19
Fig. 15.7(b)	Flow C/S at 52 km d/s	15-19
Fig. 15.7(c)	Flow C/S at 60 km d/s	15-20
Fig. 15.8	Comparison of Flow depth	15-21
Fig. 15.9	Peak arrival of time	15-21
Fig. 15.10	Maximum velocity	15-22
Fig. 15.11a	Sectional view of maximum Submergence	15-22
Fig. 15.11b	Plan view of flooded area at different time without considering additional 10%	15-23
Fig. 15.11c	Graph showing maximum probable at Different distance from Dam axis at downstream(d/s)	15-24

LIST OF PHOTOS

SERIAL NO.	LIST OF PHOTOS	PAGE NO.
Photo 7.1	Landslide L 60 near Airi Pani confluence with Dibang river (about 2 km u/s of Dam axis)	07-9
Photo 7.2	Landslide L 39 on left bank of Dibang at the confluence of Ithun and Dibang river	07-10
Photo 7.3	Landslide L 13 on left bank of Dibang about 1.2 km downstream of Enne nala	07-11