



**LEGEND:**

AREA FOR PERMANENT ACQUISITION		AREA FOR TEMPORARY ACQUISITION	
[Light Blue Box]	ZONE-1 - SUBMERGENCE AREA BELOW FRL EL.455.00m	[Dark Blue Box]	ZONE-9A TO 9C - CONTRACTOR'S COLONY
[Orange Box]	ZONE-3A TO 3C - PROJECT ESTABLISHMENT	[Pink Box]	ZONE-8A & 8B - CONSTRUCTION FACILITY AREA
[Yellow Box]	ZONE-2 - PROJECT COMPONENT AREA	[Light Blue Box]	EXISTING ROAD AREA
[Blue Box]	ZONE-4A TO 4J - QUARRIES IN RESERVOIR/PERMANENT ACQUISITION AREA	[Green Box]	PROPOSED ROAD AREA
[Purple Box]	ZONE-5A TO 5C - QUARRIES OUTSIDE RESERVOIR AREA	[Red Box]	GENERAL
[Red Box]	ZONE-6A TO 6B - DUMPING AREA	[Green Box]	PROJECT INFRASTRUCTURE SETUP
[Pink Box]	ZONE-7 - EXPLOSIVE MAGAZINE COMPLEX	[Black Box]	DISTRICT BOUNDARY
[Black Box]	ROAD AREA		

**DETAILS OF PERMANENT LAND REQUIREMENT**

S.No	Zone	Project Component	Location	Surface Area (Ha)	Underground Area (Ha)	River Area (Ha)	Total Area (Ha)	Position of Co-ordinates	Global Co-ordinates
1	1	Reservoir Submergence Area Below FRL EL. 455 m	Up-stream of Dam Axis	2281.00	0	484	2775.00	Entry	93° 59' 21.74" E 27° 46' 20.33" N Exit 93° 41' 14.20" E 27° 46' 15.67" N
<b>Project Component Area</b>									
Batching & Mixing Plant (BMP-2)									
Left Bank of Kamala River									
Dam Abutments - Left Bank									
Left Bank of Kamala River									
Dam Abutments - Right Bank									
Right Bank of Kamala River									
Clay Borrow Area (Zone-4J)									
Left Bank of Kamala River									
2	2	Roads - Right Bank (R4, R5)	Right Bank of Kamala River	34.16	0	0	34.16	Entry (R4)	94° 0' 36.04" E 27° 49' 21.20" N Exit (R4)
Roads - Left Bank (R13, R14, R15, R16)									
Left Bank of Kamala River									
River Bed Area									
Left Bank of Kamala River									
Underground Project Components (Including Diversion Tunnels, Headrace Tunnels, Pressure Shafts, Powerhouse Complex, Tailrace Tunnels)									
Left Bank of Kamala River									
3	3B	Project Establishment (including Owner's Colony, Office etc.)	Down-stream of Dam on Left Bank of Kamala River	28.0	0	0	28.0	Centroid	94° 1' 13.05" E 27° 45' 38.52" N
3	3C	Quarry Area inside Reservoir Area	Up-stream of Dam on Left Bank of Kamala River	12.0	0	0	12.0	Centroid	93° 59' 48.00" E 27° 46' 53.30" N
4	4	Quarry Area outside Reservoir Area	Right Bank of Kamala River	71.00	0	0	71.00	Centroid	93° 59' 53.76" E 27° 45' 34.94" N
Left Bank of Kamala River									
5	5B	Quarry Area outside Reservoir Area	Left Bank of Kamala River	5.00	0	0	5.00	Centroid	94° 2' 34.74" E 27° 46' 3.78" N
Left Bank of Kamala River									
5	5C	Quarry Area outside Reservoir Area	Left Bank of Kamala River	13.00	0	0	13.00	Centroid	94° 3' 8.97" E 27° 45' 34.68" N
Left Bank of Kamala River									

**DETAILS OF LAND REQUIRED ON LEASE BASIS**

S.No	Zone	Project Component	Location	Surface Area (Ha)	Underground Area (Ha)	River Area (Ha)	Total Area (Ha)	Position of Co-ordinates	Global Co-ordinates
6	6A	Dumping Area	Right Bank of Kamala River	10.00	0	0	10.00	Centroid	94° 0' 28.81" E 27° 46' 13.95" N
6	6B	Dumping Area	Left Bank of Kamala River	53.00	0	0	53.00	Centroid	94° 2' 8.88" E 27° 45' 8.09" N
7	7	Explosive Magazine Complex	Left Bank of Kamala River	1.00	0	0	1.00	Centroid	94° 7' 43.20" E 27° 45' 13.35" N
8	R-1	Area for Permanent Roads	Left Bank of Kamala River	15.00	0	0	15.00	Entry	93° 59' 41.83" E 27° 45' 23.92" N Exit 94° 0' 22.91" E 27° 45' 24.38" N
8	R-3	Area for Permanent Roads	Left Bank of Kamala River	6.00	0	0	6.00	Entry	93° 59' 17.48" E 27° 45' 13.98" N Exit 94° 0' 22.91" E 27° 45' 14.52" N
8	R-4	Area for Permanent Roads	Left Bank of Kamala River	1.00	0	0	1.00	Entry	94° 2' 38.79" E 27° 45' 43.95" N Exit 94° 2' 41.74" E 27° 45' 43.95" N
8	R-9	Area for Permanent Roads	Left Bank of Kamala River	27.00	0	0	27.00	Entry	94° 1' 44.81" E 27° 46' 14.50" N Exit 93° 57' 31.53" E 27° 46' 14.50" N
8	R-19	Area for Permanent Roads	Right Bank of Kamala River	6.00	0	0	6.0	Entry	93° 57' 23.34" E 27° 46' 57.40" N Exit
<b>Total Area</b>				<b>203.50</b>	<b>0.00</b>	<b>0.00</b>	<b>203.50</b>		

**DETAILS OF LAND REQUIRED ON LEASE BASIS**

S.No	Zone	Project Component	Location	Surface Area (Ha)	Underground Area (Ha)	River Area (Ha)	Total Area (Ha)	Position of Co-ordinates	Global Co-ordinates
1	8A	Construction Facility Area (including SPM, APN, Stores, Workshop and Penstock Yards)	Left Bank of Kamala River	25.00	0	0	25.00	Centroid	94° 0' 46.29" E 27° 45' 30.80" N
1	8B	Construction Facility Area (including SPM, APN, Stores, Workshop and Penstock Yards)	Right Bank of Kamala River	46.00	0	0	46.00	Centroid	93° 59' 27.00" E 27° 45' 56.26" N
2	9A	Contractor Colonies	Left Bank of Kamala River	3.00	0	0	3.00	Centroid	94° 0' 40.89" E 27° 45' 38.08" N
2	9B	Contractor Colonies	Left Bank of Kamala River	4.00	0	0	4.00	Centroid	94° 1' 0.32" E 27° 45' 33.87" N
2	9C	Contractor Colonies	Left Bank of Kamala River	10.00	0	0	10.00	Centroid	94° 01' 54.48" E 27° 45' 42.74" N
3	R-2	Area for Temporary Roads	Right Bank of Kamala River	6.00	0	0	6.00	Entry	94° 0' 18.07" E 27° 44' 50.22" N Exit 93° 59' 33.45" E 27° 45' 24.34" N
3	R5A	Area for Temporary Roads	Right Bank of Kamala River	2.00	0	0	2.00	Entry	94° 0' 36.02" E 27° 45' 27.14" N Exit 94° 0' 26.57" E 27° 45' 27.14" N
3	R-7	Area for Temporary Roads	Left Bank of Kamala River	18.00	0	0	18.00	Entry	93° 59' 29.24" E 27° 46' 20.59" N Exit 94° 5' 11.1" E 27° 45' 46.34" N
<b>Total Area</b>				<b>116.00</b>	<b>0.00</b>	<b>0.00</b>	<b>116.00</b>		

**TOTAL LAND REQUIREMENT**

S.No	Description	Area in plan (Ha)
1	Land required under lease	116.0
2	Land required for permanent acquisition	3163.0
	<b>Total</b>	<b>3279.0</b>

SCALE 1 : 50000

**KAMALA HYDRO ELECTRIC PROJECT**  
ARUNACHAL PRADESH, INDIA