



RE, 2019-20

Name of Department: Hydropower

(Rs. in lakh)

2018-19		Sl. No.	Head of Development / Account	Budget	Revised
Budget Estimate	Revised			Estimate 2019-20	Estimate 2019-20
1	2	3	4	5	6
		A	DEVELOPMENT ACTIVITIES		
		I	On-going Schemes		
		a)	Hydel Generation		
200.00	200.00	1	Khajalong MHS at Khajalong (2 x 1000 Kw)	306.61	306.61
45.91	45.91	2	Rapo MHS at Jayang Bagang (2 x 100 Kw)	32.00	32.00
100.00	100.00	3	Wari MHS at Khenewa Circle (2x 25 kW).	83.00	83.00
30.00	30.00	4	Babung MHS (2 x 25 kW) at Bengde	40.00	40.00
100.00	100.00	5	Kush MHS at Sangram (2 x 1000 Kw)	571.00	571.00
		6	Parlo MHP at Parsiparlo (2 x 250 kW)	46.61	46.61
200.00	200.00	7	Pagu MHS under Palin Circle (2 x 1000 Kw)	265.00	265.00
300.00	300.00	8	Angong Nallah MHS near Janbo (3 x 1500 Kw)	106.04	106.04
10.00	10.00	9	Sirikorang MHS Ph-II (3 x 100 kW) under Mechuka Sub-Division	10.00	10.00
		10	Subbung SHP near Subsing village (3x1000 KW)	50.00	50.00
350.00	350.00	11	C/o Tissu MHS Ph-II (2 x 250 kW)	377.00	377.00
1335.91	1335.91		Total of Hydel Gen (a)	1887.26	1887.26
		b)	Hydel Improvement		
200.00	200.00	1	Special repair & maintenance of Damaged Unit - III of Nuranang SHP Ph-I (3 x 2000 kW)	50.00	50.00
200.00	200.00	2	Special repair of 2 x 500 kW Domkhong Hydro Power Project at Kalaktang	87.00	87.00
	100.00	3	Renovation & Modernization work of Sessa MHS (3 x 500 kW)	500.00	500.00
80.00	80.00	4	Reconstruction of rain damaged water conductor system of Khajalong MHS (2 x 750 kW) at Nafra	17.00	17.00
82.00	82.00	5	Repair & maintenance of TG Unit-II of Pacha SHP (2 x 1500 kW); synchronising of both units i/c supply of Governor panel	90.00	90.00
55.00	55.00	6	R & M of Pacha SHP (2 x 1500 kW) (SH : Civil Works & EM works)	50.00	50.00
50.00	50.00	7	Special Repair of Tago MHS (3 x 1500 kW) (SH : Replacement of penstock pipe) i/c EM works - 3 Units	103.00	103.00
30.00	30.00	8	Special repair and maintenance of Sippi SHP (2 x 2000 kW) (SH: Raising height of Power channel, Spillway and cover slab on sliding zone)	10.00	10.00
25.00	25.00	9	Restoration of flood damage works at Weir intake, feeder channel, escape channel, desilting tank, silt flushing channel, power channel, forebay tank etc. of Kamba SHEP (3 x 2 MW)	20.00	20.00
20.00	20.00	10	Special repair & maintenance of Dali MHS (4x100 kW) (SH: Civil works)	10.00	10.00
212.16	212.16	11	Protection of Forebay tank and Improvement in Power Evacuation system of Rina SHP (2 x 1000 kW)	10.00	10.00
30.00	30.00	12	C/o New Desilting Tank & Feeder Channel and EM work for Pasighat MHS (2 x 100 kW)	20.00	20.00
44.49	44.49	13	Special repair of Doorah Nallah MHS (4 x 100 kW)	6.10	6.10
20.00	20.00	14	Special repair of Krawti nallah MHS (SH: Intake Weir)	20.00	20.00
15.00	15.00	15	Special Repair of Charju MHS (3 x 200 kW)	15.00	15.00
1063.65	1163.65		Total of Hydel Improv. (b)	1008.10	1008.10
		c)	Buildings		
		1	C/o HT/SPT Residential Building for staff of Lhou Division (SH:- T-V/1 No., T-IV/2 Nos., T-III/3 Nos., T-II/7 Nos., T-I/3 Nos. & B/Barrack- 10 Units)	45.00	45.00
40.00	40.00	2	Approach road to DHPD Residential complex at Itanagar	30.00	30.00
35.00	35.00	3	C/o Second Floor on Govt. Accomodation for DHPD at Itanagar (SH: T-IV/2 Nos, T-III/2 Nos., T-II/2 Nos. & T-I/2 Nos.)	15.00	15.00
15.00	15.00	4	Providing external electric service connection for Govt. accomodation of DHPD at Itanagar.	15.00	15.00
15.00	15.00	5	C/o Boundary wall cum protection wall at Hydro Power Office Complex at Itanagar	10.00	10.00
25.00	25.00	6	C/o RCC Boundary wall around Civil & EM Division office/Residential Hydro Power Complex at Manpoliang	20.00	20.00
20.00	20.00	7	C/o Security fencing around Power House of Sippi SHP	10.00	10.00
10.00	10.00	8	C/o Office Building for AE (E&M), Daporijo EM Sub-Division, DHPD	10.00	10.00



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		A	DEVELOPMENT ACTIVITIES		
30.00	30.00	9	C/o Newly created Office building for Koloriang Civil Division, DHPD at Koloriang	10.00	10.00
30.00	30.00	10	C/o Residential Building for Civil Division staffs at Koloriang (T-IV-2 nos., T-III-3 nos. & Bachelor Barrack 5 Men)	10.00	10.00
20.00	20.00	11	C/o T-V residential building for EE(C), Koloriang	6.53	6.53
20.00	20.00	12	C/o Security fencing around Power House of complex of Payu MHS at Koloriang	10.00	10.00
31.16	21.16	13	C/o Boundary wall of Division office at Aalo	28.84	28.84
10.00	10.00	14	C/o foot suspension bridge at Sirikorang MHS (2 x 250 kW)	10.00	10.00
35.30	35.30	15	Infrastructure development of newly created Electro-Mechanical Sub Division & Civil Sub Division at Tirbin	25.00	25.00
116.51	116.51	16	C/o SE Office Building cum Residential buildings for newly created Pasighat Circle / Lower Siang-Dibang Basin (SH: Office Bldg.-1 No. T-V/1 No., T-III/2 Nos., T-III/4 Nos. & Bachelor Barrack - 5 Units)	34.00	34.00
25.00	25.00	17	C/o Compound wall for newly created SE office for Lower Siang and Dibang Basin Circle	5.00	5.00
34.00	34.00	18	C/o Security fencing wall around DHPD complex Rock land, Tezu with M.S Gate area 850R/Mts	51.00	51.00
		19	C/o Office building Changlang Sub-Division	10.00	10.00
5.00	5.00	20	C/o 1 (one) unit B/Barrack 4 unit for operational staff for Yapak Nallah MHS (2 X 100 KW)	5.00	5.00
10.96	10.96	21	C/o Security fencing / compound wall for Division office at Hawaii Hydro power Division at Hawaii	16.44	16.44
8.00	8.00	22	C/o 2 Unit Bachelor Barrack for Operational staff of Kachopani MHS (2 x 100 kW)	12.00	12.00
8.18	8.18	23	C/o R.C.C office building at Khonsa EM Sub-Division	41.82	41.82
544.11	534.11		Total of Buildings (c)	430.63	430.63
		d)	Survey & Investigation		
2.00	2.00	1	Survey & Investigation of MHP at Sakio Nallah (Amen Nallah) near Veo Village	2.00	2.00
3.00	3.00	2	Survey & Investigation of MHP at Passa river (Ph-II) at Passa Valley Circle	3.00	3.00
1.00	1.00	3	Survey & Investigation over Takesidang River at Ruhi Village under Tali ADC Hq.	2.00	2.00
6.00	6.00		Total of Survey & Invest (d)	7.00	7.00
2949.67	3039.67		Sub-Total (I)	3332.99	3332.99
		II	New Schemes		
		a)	Hydel Improvement		
		1	Repairing of Damaged generator (2500 KVA) of Unit No. II of Nuranang Ph-I (3 x 2 MW)	50.00	25.00
		2	Reconstruction of Spillway and Power Channel of Mago MHS (2 x 50 kW) at Mago (SH: Length of Spillway = 50.0 mtr. & Power Channel = 150.0 mtr.)	20.00	10.00
		3	Realignment of Power Channel and feede channel of Shakti Hydel Station (2 x 50 kW)	20.00	10.00
		4	Reconstruction of Power Channel, Spillway and Sluice Valve of Tsechu MHS (2 x 50 kW) at Tsechu	20.00	10.00
		5	Reconstruction of Spillway Channel , Scour Pipe and Forebay Tank of Thingbu MHS (2 x 50 kW)	20.00	10.00
		6	C/o Desilting Tank of Challengkang Ph-I & Ph-II (1 x 30 kW)	20.00	10.00
		7	Reconstruction of rain damages of Power Channel of Zhagdongrong Hydel Station (2 x 500 kW) (SH: Length of Power Channel = 35.00 mtr., Retaining wall = 25.0 mtr. & slip clearance = 40.0 mtr.)	35.00	17.50
		8	Complete replacement of old turbine and generator set of Unit-III of Rahung Hydel Station (3x250 kW) and improvement of switchyard and external protection system.	95.00	47.50
		9	Special repair of Angkaling MHS (1 x 30 kW)	15.00	7.50
		10	Special repair of Dokumpani MHS (1 x 30 kW)	15.00	7.50
		11	Reconstruction of flood damage of Power Channel of Pacha SHP (2 x 1500 kW) (SH: Length of Power Channel = 47.0 mtr., Aquaduct = 1 No. of span 15.0 mtr with abutment & length Retaining wall = 85.0 Mtr. with 4.5 mtr. depth)	150.00	75.00



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		A	DEVELOPMENT ACTIVITIES		
		12	Augmentation of Pakke Kessang MHS (30 KW) to 100 kW (procurement of new TG 2x50 kW) srts with its control panel and protection panel, board and C/o 0.415/1.1 kv step up sub-station.	50.00	25.00
		13	Reconstruction of rain damages of Spillway Channel of Sippi SHP (2 x 2000 kW) (SH: Length of Spillway Channel = 35.20 mtr. & Retaining wall 35.20 mtr.)	30.00	15.00
		14	Special repair of Penstock pipes, expansion joints and other hydromechanical equipments of Dulom MHS (2 x 200 kW) including extension of Spillway Channel & Protection work (SH: Expansion Joints = 5 Nos. & length of Spillway Channel = 118.00 mtr.)	20.00	10.00
		15	Special repairs & maintenance of Sikin Koro MHS (2x100 kW) at Bui (SH: Re-construction of rain damaged Power Channel & EM works).	15.00	7.50
		16	Re-construction of rain damaged water conductor structures of Payu MHS (2 x 250 kW) at Pinchi (SH: Length Weir = 12.0 mtr., Feeder Channel = 35.0 mtr., Power Channel = 50.0 mtr. & Retaining Wall = 105.0 mtr.)	75.00	37.50
		17	Special repair of Chate MHS (1 x 30 kW)	7.00	3.50
		18	C/o Cross drainage works (Aqueducts & culvert) at Pagu MHS (2 x 1000 kW) at Choba	75.00	37.50
		19	Repair, replacement & refurbishment of damaged EM equipments of Angong Nallah MHS	200.00	100.00
		20	Rectification works of spillway of Angong Nallah SHP (3 x 1500 kW)	90.00	45.00
		21	Special repair of Singha MHS (1 x 30 kW)	10.00	5.00
		22	Special repair of Sirnyuk SHP (2 x 1000 kW) (SH: Supply, erection, testing and commissioning of electronic governor & SEU panel)	30.00	15.00
		23	Special repair of Kopu MHS (1 x 250 kW) (SH: Supply, erection, testing and commissioning of TG control panel i/c OPU)	25.00	12.50
		24	Repair and maintenance of Gossang MHS (2x 250 kW) (SH: Repairing of Electronic governor and synchronizing panel)	10.00	5.00
		25	Special repair of Yingkiang Ph-II MHS (2 x 100 kW) (SH: supply, erection, testing & commissioning of ELC panel with dummy load tank)	15.00	7.50
		26	Special repair of Sille MHS (2 x 250 kW) at Geku	15.00	7.50
		27	Special repair of E&M equipments of Pasighat MHS (2 x 100 kW)	30.00	15.00
		28	Upgradation of existing switchyard for Pasighat MHS (2 x 100 kW)	15.00	7.50
		29	Special repair of Electro-Mechanical equipments of Kamba SHEP (3 x 2 MW) including replacement of all worn out equipments like CT, PT, LA and insulators etc. and Installation of New Electronic Governor for Unit-I.	24.00	12.00
		30	Special repair of Liromoba SHP (2 x 1000 kW) (SH:- Repairing of AVR panel and CT/PT) i/c EM works	40.00	20.00
		31	Special repair of Aalo MHS (4 x 100 kW)	10.00	5.00
		32	Special repair of Dali MHS (4 x 100 kW) (SH:- Civil and E&M Works)	60.00	30.00
		33	Special repair of Pagi SHP (2 x 50 kW) (SH:- E & M Works)	25.00	12.50
		34	Special repair of Sirikorong MHS (2 x 250 kW) (SH: Weir Intake).	10.00	5.00
		35	Modification of Spillway of Subbung SHP (2x1500Kw)	50.00	25.00
		36	Special repair of Yembung SHP (4 x 500 kW) (SH: Restoration of weir & intake, protection structures to power channel and including repair & replacement of EM Equipment).	50.00	25.00
		37	Spl. Repair of Awapani MHS (2 x 250 KW) at Gepuline	30.00	15.00
		38	Special repair of damaged weir intake at Chini Afra MHS (1 x 250 kW)	15.00	7.50
		39	Restoration works of Chu Nallah MHS (2 x 15 kW)	8.00	4.00
		40	Modification of Turbine Governing system of Tafragam MHS (1x250Kw)	15.00	7.50
		41	Repairing of Penstock pipe and Governing system maintenance of Tafragam MHS (1 x 250Kw)	25.00	12.50
		42	Special repair of Mati Nallah MHS (2 x 250 KW) (EM Works)	10.00	5.00
		43	Special repair ing of Teepani MHS (2 x 250 kW) (SH: E&M works)	35.00	17.50
		44	Renovation of control panel of Charju MHS (3 x 250 kW)	20.00	10.00
		45	Restoration of damaged power channel and improvement of governing system of Unit-I of Tirathju MHS (4 x 250 kW)	25.26	12.63



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		A	DEVELOPMENT ACTIVITIES		
		46	Special repair of Tinning MHS (2 x 30 kW) (SH: Reconstruction of feeder channel)	30.00	15.00
		47	Special repair of Tissue MHS Ph-I (4 x 100 kW)	116.24	58.12
			Total of Hydel Improv. (a)	1770.50	885.25
		b)	Buildings		
		1	C/o Office Building of Jang Civil Sub-Division at Jang	15.00	7.50
		2	C/o residential building for staff quarter under Lumla Civil Sub-Division (T-III/1 No. & T-II/1 No.)	12.76	6.38
		3	CC Flooring to DHPD Residential complex at Itanagar	20.00	10.00
		4	Slab cover on Nallah of DHPD Residential Complex	25.00	12.50
		5	C/o Boundary wall cum protection Wall at Hydro Power Office complex, Itanagar, Chainage between Culvert point to 47.95 m (SH: RCC river training wall and RCC protection cum boundary wall)	25.00	12.50
		6	C/o SE's Office Building Cum Residential buildings for newly shifted Subansiri Basin to Ziro (SH: Office Bldg.-1 No. T-V/1 No., T-III/2 Nos., T-II/4 Nos. & Bachelor Barrack - 5 Units)	12.75	6.38
		7	C/o Staff Quarter for JE at Tali (SH: T-III/1 No.)	10.00	5.00
		8	C/o staff quarter at intake & forebay tank of Angong nallah (SH: 4 men B/barrack)	12.00	6.00
		9	Infrastructure development of Division office complex at Geku.	10.00	5.00
		10	Security Fencing around Hydro Power Complex at Namsai	100.00	50.00
			Total of Buildings (b)	242.51	121.26
		c)	Survey & Investigation		
		1	S&I of Pemashulfu MHS (3 x 250 kW) near Mechuka	2.00	2.00
		2	S&I Pibung MHS (2 x 250 kW) over Pibung river at Tumbin	2.00	2.00
			Total of Survey & Invest (c)	4.00	4.00
0.00	0.00		Sub-Total (II)	2017.01	1010.51
		III	Maintenance of Assets		
800.00	800.00	1	Hydel Station, Building, Petty Works etc.	800.00	800.00
		2	Logistic support for strengthening of the Chief Engineer (P&D) - Establishment (SH: Design Tools & Equipment, Drawing Tools & Equipment, Training Equipment / Accessories, Exposure Technical Tour within the Country and Abroad etc.)	200.00	100.00
800.00	800.00		Sub-Total (III)	1000.00	900.00
3749.67	3839.67		Total : (A)	6350.00	5243.50
		B	SIDF, 2018-19		
80.00		1	C/O approach road to HPD Office at Anini	0.00	32.00
80.00		2	C/O Boundary wall and protection wall of HPD office and residential complex at Anini	0.00	32.00
50.00		3	C/o Boundary wall at DHPD (E&M) Office at Ezengo, Roing	0.00	20.00
200.00		4	C/o Palin MHS (3x50 KW) at Palin under Pijirang Circle	0.00	80.00
100.00		5	C/o Mini hydel at Tadogittu	0.00	40.00
200.00		6	Upgradation of Jongkey-Nallah (1x25 Kw & 1x50Kw) MHS	0.00	80.00
60.00		7	C/o RCC Boundary wall around the Bordumsa Hydro Power Division office cum Residential Complex.	0.00	24.00
150.00		8	Re-rating and updating of Chiklong MHS (3X50 KM) to(2x75 KM)	0.00	60.00
50.00		9	C/o staff's qtrs of HPD at Tirathju & Charju Hydel (Rs. 25.00 lakh each)	0.00	20.00
20.00		10	C/o protection wall to maintain infrastructure under DHPD, Division-II Bomdila	0.00	8.00
0.00	990.00		Total : (B)	0.00	396.00
		C	Budget Announcement		
			New		
		1	Capacity Building, Public Sensitization / awareness / Confidence Building, Development of Software for Monitoring System and Legal / Consultancy Services for Hydro Power Development in Arunachal Pradesh	500.00	350.00
0.00	0.00		Total : (C)	500.00	350.00



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1	2	3	4	5	6
		A	DEVELOPMENT ACTIVITIES		
		D	State share towards CSSs		
		1	Construction of Sirikorong MHS(PH-II)(3x100 KW) under Mechuka Sub-Division, West Siang		8.25
0.00	0.00		Total : (D)	0.00	8.25
		E	RIDF		
		1	Construction of Sirikorong MHS(PH-II)(3x100 KW) under Mechuka Sub-Division, West Siang		82.50
0.00	0.00		Total : (E)	0.00	82.50
3749.67	4829.67		GRAND TOTAL : (A) + (B) + (C)	6850.00	6080.25