



Revised Estimate 2020-21

Name of the Department: **Hydro Power**

(Rs. in lakh)

Sl. No.	Head of Development/ Account	Revised Estimate 2020-21
1	2	3
I	Normal Development Activities	
i	SH :Hydel Generation	
1	Rapo MHS at Jayang Bagang (2x100 KW)	30.00
2	Palin MHS (2X50 KW) at Palin village	20.00
3	Extension of RCC Spillway Channel 650 mtr of Kush MHP (2X1000KW) at Sangram	25.00
4	C/O 30 mtr Bailey Bridge over Kush River at Kush MHP (2X1000 KW) (SH: Approach road 1 KM & Bailey Bridge 30 span	30.00
5	Parlo MHP at Parsiparlo (2X1000 KW)	20.00
6	Pagu MHS under Palin Circle (2x1000 KW)	30.00
7	Pange MHS (2X1000 KW) at Hakhe Tari	100.00
	Total of Hydel Generation (i)	255.00
ii	SH: Hydel Improvement	
1	Special repair & maintenance of Damaged Unit -III of Nuranang SHP Ph-I (3X2000 KW)	
2	Repairing of Damaged generator (2500 KVA) of Unit No. II OF Nuranang Ph-I (3x2MW)	25.00
3	Reconstruction of Spillway and Power Channel of Mago MHS (2X50 KW) at Mago (SH: Length of Spillway=50 mtr & Power Channel=150 mtr	10.00
4	Re-alignment of Power Channel and Feeder Channel of Shakti Hydel Station (2x 50 KW)	10.00
5	Reconstruction of Power Channel, Spillway and Sluice Valve of Tsechu MHS (2X50 KW) at Tsechu	10.00
6	Reconstruction of Spillway Channel, Scour Pipe and Forebay Tank of Thingbu MHS (2X50 KW)	10.00
7	C/O Desilting Tank of Challengang Ph-I & II (1X30 KW)	10.00
8	Renovation & Medernization work of Seesa MHS (3X500 KW)	95.84
9	Reconsruction of rain damaged water conductor system of Khajalong MHS (2X 750 KW) at Nafra	53.00
10	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.)	17.50
11	Complete replacement of old Turbine and Generator Set of Unit-III of Rahung Hydel Station (3 X250 KW) and improvement of Switchyard and external Protection System	10.00
12	Special repair of Angkaling MHS (1X30 KW)	10.00
13	Special repair of Dokumpani MHS (1X30 KW)	10.00
14	R &M of Pacha SHP (2X1500 KW) (SH : Civil Works & EM Works)	25.00
15	Reconstruction of Flood Damaged of Power Channel of Pacha SHP (2X1500 KW) (SH: Length of Power Channel=47 mtr, Aquaduct=1 no of Span 15 mtr with abutment & length , Retaining Wall= 85 mtr with 4.5 mtr depth)	75.00
16	Special Repair and Renovation of Kade Nallah MHS(1X50KW)	25.00
17	Augmentation of Pakke Kessang MHS (30 KW) to 100 kw (Procurement of new TG 2X50 KW) sets with its control panel and protection panel board and C/O 0.415/1.1 KV Step up Sub- Station	25.00
18	Special Repair of Tago MHS (3X1500 KW) (SH: Replacement of Penstock Pipe) i/c EM Works-3 Units	38.00
19	Reconstruction of rain damaged of Spillway Channel of Sippi SHP (2X2000 KW) (SH: Length of Spillway Channel= 35.2 mtr & Retaining Wall =35.2 mtr)	15.00
20	Special Repair of Penstock Pipes, Expansion Joints and other Hydro Mechanical Equipments of Dulom MHS (2X200 KW) including extension of Spillway Channel & Protection work (SH : Expansion Jonts = 5 no, Length of Spillway Channel = 118 mtr)	10.00



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21	Special repair & maintenance of Sikin Koro MHS (2X100KW) at Bui (SH; Re construction of rain damaged Power Channel & EM WORKS)	7.13
22	Special Repair and Maintenance of Ayingmuri MHS (2X125) at Ayingmuri in Upper Subansiri District	10.00
23	Reconstruction of rain damaged water conductor structures of Payu MHS (2X 250 KW) at Pinchi (SH: Length Weir=12 mtr, Feeder Channel=35 mtr, Power Channel= 50 mtr & Retaining Wall= 105 mtr)	37.00
24	Derating of Khadi Yabey MHS to (2X50 KW)	10.00
25	Cross Drainage Works (Aqueducts & Culver) at Pagu MHS (2X2000 KW) at Choba	20.00
26	Complete restoration of Kamba SHP (3 x 2 MW) which includes refoundation and realignment work of Unit-III, rewinding of UAT for Unit-II & III, complete overhauling of Unit-I, repairing of weir & intake including provision of intake gate.	70.00
27	Special repair of Liromoba SHP (2X1000 KW) (SH: Repairing of AVR Panel and CT/PT, i/c EM Works	20.00
28	Special Repair of Aalo MHS (4X100 KW)	5.00
29	Special repair of Tato MHS (2X50+2X20 KW) (SH: Intake Weir)	25.89
30	Special repair of Dali MHS (4X100 KW) (SH : Civil and E&M Works)	30.00
31	Special repair of Pagi SHP (2X50 KW) (SH : E & M Works)	12.50
32	Special repair of Sirikorong MHS (2X250 KW) (SH : Weir-Intake)	5.00
33	Modification of Spillway of Subbung SHP(3X1500KW)	25.00
34	Special repair of Yembung SHP (4X500 KW) (SH : Restoration of Weir, Intake	25.00
35	Rectification works of Spillway of Angong Nallah SHP (3X1500 KW)	45.00
36	Special repair of Singha MHS (1X30 KW)	5.00
37	Special repair of Sirnyuk SHP (2X1000 KW) (SH: Supply, erection, testing and Commissioning of electronic Governor & SEU Panel)	15.00
38	Special repair of Kopu MHS (1X250 KW) (SH : Supply, erection, testing and Commissioning of TG Control Panel i/c OPU)	12.50
39	Repair and Maintenance of Gossang MHS (2X250 KW) (SH : Repairing of Electronic Governor and synchronizing Panel)	5.00
40	Special repair of Yingkiong Ph-II MHS (2X100 KW) (SH: Supply, erection, testing & Commissioning of ELC Panel with Dummy load Tank)	7.50
41	Special repair of Sille MHS (2X250 KW) at Geku	7.50
42	Protection of eroded Power Channel of Rina SHP (2X1000 KW) New scheme	12.00
43	Upgradation of existing Switchyard for Pasighat MHS (2X100 KW)	7.50
44	Special repair of Awapani MHS (2X250 KW) at Gepuline	15.00
45	Special repair of damaged Weir Intake at Chini Afra MHS (1X250 KW) ,	7.50
46	Restoration Work of Chu Nallah MHS (2X15 KW)	4.00
47	Special repair of Mati Nallah MHS (2X250 KW) (E&M Works)	5.00
48	Special repair of Teepani MHS (2X250 KW) (SH : E&M Works)	17.50
49	Modification of Turbine Governing System of Tafragram MHS (1X250 KW)	7.50
50	Repairing of Penstock Pipe and Governing System Maintenance of Tafragram MHS(1X250 KW)	12.50
51	Special Repair of Sumhok Nallah MHS (2X50 KW)	5.00
52	Renovation of Control Panel of Charju MHS (3X250 KW)	10.00
53	Restoration of damaged Power Channel and improvement of Governing of Unit-I of Tirathju MHS (4X250 KW) System	12.63
54	Special repair of Tinning MHS (2X30KW) (SH: Reconstruction of Feeder Channel)	15.00
55	Special repair of Tissue MHS Ph-I (4X100 KW)	58.12
56	Completion of Aying Moring MHP in Upper Subansiri District	100.00
57	Tanyu MMHP, Longding District	100.00
	Total of Hydrel Improvement (ii)	1273.61
iii	SH : Buildings	
1	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	10.00
2	CC Flooring to DHPD Residential Complex at Itanagar	10.00
3	Slab cover on Nallah of DHPD Residential Complex	12.50



(Rs. in lakh)

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4	C/ O Boundary Wall- cum - Protection Wall at Hydro Power Office Complex Itanagar, Chainage between Culvert point to 47.95mtr (SH : RCC River Training wall and RCC Protection cum Boundary Wall)	12.50
5	C/O RCC Boundary wall around Civil & EM Division office /Residential Hydro Power Complex at Manipoliang	10.00
6	C/O SE's Office Building Cum Residential Building for Subansiri Basin at Manipoliang (SH : Office Bldng-1 No, T-V/1 No, T-III/2 No & Bachalor Barrack 5 Units)	20.00
7	C/O Newly created Office Building for Koloriang Civil Division, DHPD	15.00
8	C/O Office Building for EE Bomdila-II	10.00
9	C/O Office Building for AE at Palin	10.00
10	C/O 6 Unit B/Barrack at Sirikorang MHS (2x250 KW) near Mechuka	12.00
11	C/O Office Building Changlang Sub-Division	15.00
12	C/O Staff Quarter at Intake & Forebay Tank of Angong Nallah (SH: 4 Men B/Barrack)	6.00
13	Infrastructure Development of Division Office Complex at Geku	5.00
14	Security Fencing around Hydro Power Complex at Namsai	50.00
	Total of Buildings (iii)	198.00
iv	Survey & Investigation	
1	Survey & Investigation of MHP at Sakio Nallah (Amen Nallah) near Veo Village	2.00
2	Survey & Investigation of MHP at Passa river (Ph-II) at Passa Valley Circle	1.00
3	Survey & Investigation over Takesidang River at Ruhi Village under Tali ADC Hq	1.00
	Total of Survey & Investigation (iv)	4.00
v	Maintenance of Assets	
1	Maintenance of Hydel Stations / Buildings / petty works etc.	
	i. Hydel Stations	800.00
	ii. Logistic Support for Strengthening of Establishment of Chief Engineer (P&D) Establishment (SH : Design Tools & Equipment , Drawing Tools & Equipment Training , Accessories etc	100.00
	iii. Establishment of Office of Advisor to Power and Hydro Power	41.00
	Total of Maintenance of Assets (v)	941.00
	Total (I)	2671.61
II	SIDF 2018-19	
1	C/o approach road to HPD Office at Anini	38.26
2	C/o Boundary wall and protection wall of HPD office and residential complex at Anini	36.96
3	C/o Boundary wall at DHPD (E&M) Office at Ezengo, Roing	28.06
4	C/o Palin MHS (3x50 KW) at Palin under Pijirang Circle	17.18
5	C/o Mini hydel at Tadogittu	12.00
6	Upgradation of Jongkey-Nallah (1x25 Kw & 1x50Kw) MHS	10.00
7	C/o RCC Boundary wall around the Bordumsa Hydro Power Division office cum Residential Complex.	7.20
8	Re-rating and updating of Chiklong MHS (3X50 KM) to(2x75 KM)	50.00
9	C/o staff's qtrs of HPD at Tirathju & Charju Hydel (Rs. 25.00 lakh each)	23.00
10	C/o protection wall to maintain infrastructure under DHPD, Division-II Bomdila	12.00
	Total (II)	234.66
III	CCI 2019-20	
1	Survey and investigation over Tirap river for 10MW near Thamjang village and 25MW near Changlang HQ.	25.00
2	Reconstruction of Awapani MHS at Aliaye and Rupapani MHS at Punli.	75.00
	Total (III)	100.00
IV	Budget Announcement	
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	150.00

(Rs. in lakh)

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1	2	3
V	LoC authorisation issued by FD against the pending claim of works of LFY (Department shall furnish the details of scheme wise fund distributed)	
1)	Development Activities	
a)	Hydel Generation	
1	Rapo MHS at Jayang Bagang (2x100kw)	23.92
2	Parlo MHP at Parsiparlo (2x250kw)	34.84
3	Angong Nallah MHS near Janbo (3 x 1500 Kw)	50.89
4	Sirikorang MHS Ph-II (3 x 100 kW) under Mechuka Sub-Division	1.75
5	Subbung SHP near Subsing village (3 x 1000 kW)	35.00
	Total of Hydel Gen. (a)	146.40
b)	Hydel Improvement	
1	Repairing of Damaged generator (2500 KVA) of Unit No. II of Nuranang Ph-I (3x2MW)	18.69
2	Realignment of Power Channel and feeder channel of Shakti Hydel Station (2x50kw)	7.47
3	Reconstruction of Power Channel, Spillway and Sluice Valve of Tsechu MHS (2x50kw) at Tsechu	7.47
4	Reconstruction of rain damages of Power Channel of Zhangdongrong Hydel Station (2x500kW) (SH: Length of Power Channel = 35.00 mtr. Retaining wall= 25.0 mtr. & slip clearance = 40.0 mtr.)	17.50
5	Complete replacement of old turbine and generator set of Unit-III of Rahung Hydel Station (3x250 kW) and improvement of switchyard and external protection sysetm.	35.51
6	Special repair of Angkaling MHS (1x30kw)	5.61
7	Reconstruction of flood damage of Power Channel of Pacha SHP (2x1500kw) (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)	56.06
8	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.	18.69
9	Reconstruction of rain damages Spillway Channel of Sippi SHP (2x 2000 kW) (SH: Length of Spillway Channel = 35.20 mtr. & Retaining wall 35.20 mtr.)	11.21
10	Special Repair of Penstock Pipes, expansion joints and other hydromechanical equipments of Dulom MHS (2x 200 kW) including extension of Spillway Channel & Protection work (SH: Expansion Joints = 5 Nos. & length of Spillway Channel = 118.00 mtr.)	7.47
11	Special repairs & maintenance of Sikin Koro MHS (2x100kW) at Bui (SH: Re-construction of rain damaged Power Channel & EM works).	5.61
12	Re-construction of rain damaged water conductor structures of Payu MHS (2x 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.)	28.03
13	C/o Cross drainage works (Aqueducts & culvert) at Pagu MHS (2x 1000kW) at Choba	28.03
14	Special repair & maintenance of Dali MHS (4x100 kW) (SH: Civil works)	7.00
15	Special Repair of Charju MHS (3 x 200 kW)	10.50
16	Repair, replacement & refurbishment of damaged EM equipments of Angong Nallah MHS	70.00
17	Rectification works of spillway of Angong Nallah SHP (3 x 1500 kW)	31.50
18	Special repair of Sirnyuk SHP (2 x 1000 kW) (SH: Supply, erection, testing and commissioning of electronic governor & SEU panel)	10.50
19	Special repair of Kopu MHS (1 x 250 kW) (SH: Supply, erection, testing and commissioning of TG control panel i/c OPU)	8.75
20	Special repair of Yingkieng Ph-II MHS (2 x 100 kW) (SH: supply, erection, testing & commissioning of ELC panel with dummy load tank)	5.25
21	Special repair of Sille MHS (2 x 250 kW) at Geku	5.25
22	Upgradation of existing switchyard for pasighat MHS (2 x 100 kW)	5.25



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1	2	3
23	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.	8.40
24	Special repair of Liromoba SHP (2 x 1000 kW) (SH:- Repairing of AVR panel and CT/PT) i/c EM works	14.00
25	Special repair of Dali MHS (4 x 100 kW) (SH: Civil and E&M works)	21.00
26	Special repair of Pagi SHP (2 x 50 kW) (SH:- E & M Works)	8.75
27	Modification of Spillway of Subbung SHP (3x1500Kw)	17.50
28	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).	17.50
29	Special Repair of Awapani MHS (2 x 250 KW) at Gepuline	10.50
30	Special repair of damaged weir intake at Chini Afra MHS (1 x 250 kW)	5.25
31	Modification of Turbine Governing system of Tafragam MHS (1x250Kw)	5.25
32	Repairing of Penstock pipe and Governing system maintenance of Tafragam MHS (1 x 250Kw)	8.75
33	Special repair ing of Teepani MHS (2 x 250 kW) (SH: E&M works)	12.25
34	Special repair of Mati Nallah MHS (2 x 250 KW) (EM Works)	3.50
35	Renovation of control panel of Charju MHS (3 x 250 kW)	7.00
36	Restoration of damaged power channel and improvement of governing system of Unit-I of Tirathju MHS (4 x 250 kW)	8.84
	Total of Hydel Improv. (b)	549.84
c)	Buildings	
1	C/o RCC Boundary wall around Civil & EM Division Office/Residential Hydro Power Complex at Manpoliang	14.95
2	C/o Office Building of Jang Civil Sub-Division at Jang	5.61
3	C/o residential building for staff quarter under Lumla Civil Sub-Division (T-III/1 No. & T-II/1 No.)	4.77
4	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.	9.34
5	C/o SE's Office Building Cum Residential buildings for newly shifted Subansiri Basin to Ziro (SH: Office Bldg.- 1 no., T-V/1No., T-III/2 Nos., T-II/4 Nos. & Bachelor Barrack -5 Units)	4.77
6	C/o Staff Quarter for JE at Tali (SH: T-III/1 No.)	3.74
7	C/o Boundary wall of Division office at Aalo	23.34
8	Infrastructure development of newly created Electro-Mechanical Sub Division & Civil Sub Division at Tirbin	17.50
9	C/o SE Office Building cum Residential buidlings for newly created Pasighat Circle / Lower Siang-Dibang Basin (SH: Office Bldg.-1 No. T-V/1 No., T-III/2 Nos., T-II/4 Nos. & Bachelor Barrack - 5 Units)	23.80
10	C/o 2 Unit Bachelor Barrack for Operational staff of Kachopani MHS (2 x 100 kW)	8.40
11	C/o R.C.C office building at Khonsa EM Sub-Division	29.27
12	C/o staff quarter at intake & forebay tank of Angong nallah (SH: 4 men B/barracck)	4.20
13	Security Fencing around Hydro Power Complex at Namsai.	35.00
	Total of Building (c)	184.69
d)	Survey & Investigation	
1	S&I Pibung MHS (2 x 250 kW) over Pibung river at Tumbin	1.40
	Total of S&I (d)	1.40
e)	Maintenance of Assets	
1	Maintenance of Hydel Station	14.57
	Total of (e)	14.57
	Total of (1):	896.90
2)	State Share towards CSSs	
1	C/o Sirikorang MHS Ph-II (3x100 kW) under Mechuka Sub-Division in West Siang Dist	8.25
	Total of (2):	8.25
3)	RIDF	



(Rs. in lakh)

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1	2	3
1	C/o Sirikorang MHS Ph-II (3x100 kW) under Mechuka Sub-Division in West Siang Dist	46.20
	Total of (3):	46.20
4)	DoKAA	
1	C/o Guest House at Barchi Culture Centre	4.20
2	C/o Shamshing Bridge at Pangma	1.20
3	Repairing of Nadipar Chorten, Dirang	1.50
4	C/o Traditional Gate at Zimthung	4.20
5	C/o Protection wall at Thupchok gatsaling culture centre Bomdila	18.00
6	C/o Boundary wall at Ganden Rabgyaliang culture centre at Bomdila	24.00
	Total of (4):	53.10
5)	Deposit Part-III	
1	Re-Construction of Tah Ahfra MHS (2x250 kW) at Angolin in Dibang Valley	174.52
	Total of (5):	174.52
	Total (V)	1178.97
VI	Un-Encashed Cheques (Department shall furnish the details of scheme wise fund distributed)	
1	Eastern Zone	222.25
2	Western Zone	217.65
	Total (VI)	439.90
VII	RIDF (Loan component)	
	RIDF- XXIV (2018-19)	
1	Construction of Srikorong MHS(PH-II)(3x100 KW) under Mechuka Sub-Division, West Siang	210.00
	Total (VII)	210.00
	Grand Total (I+II+III+IV+V+VI+VII)	4985.14