

ANNEXURE - E

Additional Capitalization Proposed for FY 2015-16 (Tentative from 01.10.2015 to 31.03.2016)					
Name of HEP: Kulhal					
S. No.	Description	Amount (In Crore)	Need/Urgency of Capex	How the Capex will have improvement in performance of plant/life enhancement	Justification of cost/rate
1	Land				
2	Building				
3	Major Civil Works				
4	Plant & Machinery				
1	Supply, Installation, Testing & Commissioning of 220 Volt /48 Volt Battery Set for Kulhal Power House	0.21	Safety and Efficiency of 132 KV S/Y	Safety and Efficiency of 132 KV S/Y	As per Market Rate
2	Various Lighting Materials procurement	0.25	Energy Efficient Led Light	Energy Efficient Led Light	As per Market Rate

3	Repairing & overhauling Of intake gates,By pass gates and Expansion joints through ID	0.76	Safety Of Power House	Safety Of Power House	As per Market Rate
4	Procurement of centrifugal Machine	0.20	Improve Efficiency	Improve Efficiency	As per Market Rate
5	Procurement of CT/PT 132 KV Bus	0.10	Safety and Efficiency of 132 KV S/Y	Safety and Efficiency of 132 KV S/Y	As per Market Rate
6	Supply, Installation, Testing & Commissioning of CCTV camera at different locations of the plant for Safety.	0.15	Safety of Power House	Safety of Power House	As per Market Rate
7	Procurement of Trash Rack Machine for Kulhal	5.00	Improve the Generation	Improve the Generation	As per Market Rate
8	Mulsifire system of transformer	0.50	Safety of T/F	Safety of Power House	As per Market Rate
9	modification of co2 fire fighting system	0.25			
	Total	7.42			

Additional Capitalization Proposed for FY 2016-17

Name of HEP: Kulhal

S. No.	Description	Amount (In Crore)	Need/Urgency of Capex	How the Capex will have improvement in performance of plant/life enhancement	Justification of cost/rate
1	Land				
2	Building				
3	Major Civil Works				

4	Plant & Machinery				
4.1	Replacement of Isolater	1.00	As the existing Isolater have outlived their normative life and sluggish in operation and are outdated technology based, their spares are not available. They are giving frequent problem and knowhow of these systems is very limited.	Replacement of existing system is must by state of art technology	Approximately
4.2	Supply and fixing of LED lights	0.25	To save energy by replacement of conventional lights with Energy efficient lights / LED lights at kulhal Power Station	saving of energy and better lighting at kulhal Power Station.	Approximately
4.3		0.05			Approximately
	TOTAL	1.30			
5	Vehicles				
6	Furniture & Fixtrues				


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	Procurement of Godrej make Furniture for power house	0.05	Most of the furnitures available at Committee room & various places at Power House are more than 10 years old and have outlived their normative life thus need replacement	for better look and comfort	Approximately
	Total	0.05			
7	Office Equipments & Others				
	Computers, Printers etc.	0.02	computers available are not sufficient	for better working	Approximately
	Total	0.02			

Additional Capitalization Proposed for FY 2017-18

Name of HEP: **Kulhal**

S. No.	Description	Amount (In Crore)	Need/Urgency of Capex	How the Capex will have improvement in performance of plant/life enhancement	Justification of cost/rate
1	Land				



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2	Building				
3	Major Civil Works				
4	Plant & Machinery				
4.2	Automization of dewatering pumps	0.10	Due to shortage of staff and manual monitoring there are more chances of idle running & damage of pumps	Energy saving and safe running due to automisation hence maint. cost reduced.	Approximately
4.4	Replacement of Excitation System	4.50	As the existing excitation system have outlived their normative life and sluggish in operation and are outdated technology based. Spares of the excitation system are not available due technological changes. They are giving frequent problem. Thus replacement of existing excitation system is must by state of art technology based digital excitation system in all three units one by one to avoid the generation loss on this head(Rs 4.5crore approx)	Replacement of existing excitation system is must by state of art technology based digital excitation in all three units one by one to avoid the generation loss on this head	Approximately

4.5	procurement of Fire Hydrant for power house and store	0.25	for safety of power house	for safety of power house	Approximately
	TOTAL	4.85			
5	Vehicles				
6	Furniture & Fixtures				
7	Office Equipments & Others				
	PhotoStat Machine and Other I.T. Items	0.05	There is no photostat machine, fax, scanner at power station	energy account, generation reports, informations etc shall be provided easily.	
	Total	0.05			

Additional Capitalization Proposed for FY 2018-19

Name of HEP: KULHAL


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S. No.	Description	Amount (In Crore)	Need/Urgency of Capex	How the Capex will have improvement in performance of plant/life enhancement	Justification of cost/rate
1	Land				
2	Building				
3	Major Civil Works				
4	Plant & Machinery				
4.1	Procurement of energy efficient/ LED lights etc	0.25	To replacement of defective & old lights at Dhakrani Power Station.	To save energy by using Energy efficient lights /LED lights at Dhakrani Power Station.	Approximately
4.2	Procurement of various types cables	0.30	Replacement of old cables where as required.	Prevention of any breakdown due to fault in cables	Approximately



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4.3	Procurement of Thrust Bearing Pads	0.20	to be kept as spare	to minimise the down time	Approximately
	TOTAL	0.75			
5	Vehicles				
6	Furniture & Fixtures				
7	Office Equipments & Others				
	Total				



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Particulars	FY of COD	Previous Year (2014-15) Actual / Audited	Current Year (2015-16)			Remarks+	Ensuing Year (2016-17)	Ensuing Year (2017-18)	Ensuing Year (2018-19)
			Apr-Sep (Actual)	Oct-Mar (Estimated)	Total (April - March)		Projected	Projected	Projected
A) Expenditure Details						Subject to Investment Approval from Hon'ble UERC			
a) Land									
b) Building									
c) Major Civil Works				1066.78	1066.78		4533.08	3337.92	993.66
d) Plant & Machinery									
e) Vehicles									
f) Furniture and Fixtures									
g) Office Equipment & Others				1066.78	1066.78		4533.08	3337.92	993.66
Total (A)									
B) Break up of sources of financing									
Rupee term Loan				779.65	779.65		3388.33	2862.82	1036.02
Debt 1 (With IDC)									
Debt 2									
....									
Foreign Currency Loan									
Debt 1									
Debt 2									
....									
Equity				334.14	334.14	1452.14	1226.91	444.01	
In Rupees (With IDC)									
In Foreign Currency									
c) Others (Please specify)				1113.79	1113.79	4840.47	4089.73	1480.03	
Total (B)									


 (FINANCE)
 UJVN LIMITED

ANNEXURE – F

Additional Capitalization Proposed for F.Y. 2015-16 tentative (01-10-2015 to 31-03-2016)					
Sl No.	Description	Amount (in crore)	Need / urgency of capex	How the capex will have improvement in performance of plant/life enhancement	Justification of cost/ rate
1	Land				
2	Building				
3	Major Civil Works				
4	Plant & Machinery				
a	T&P procurement (Chain pulley blocks, Hydraulic jacks, gas cutter etc.)	0.15	Required for maintenance works at Maneri dam	Availability of these T&P items will ease the maintenance	
5	Vehicles				
6	Furniture & Fixtures				
7	Office Equipments & others				
a	Procurement of desktops, printers for office of EE(E&M) Maneri Dam	0.01	Desk tops and printers are required for smooth functioning of office.	Functioning of office will be smooth thereby improving the performance of dam & plant.	
b	Procurement of multifunctional Xerox copy machine	0.01	Required for smooth functioning of office.	Functioning of office will be smooth thereby improving the performance of dam & plant.	
	Total	0.17			

Additional Capitalization Proposed for F.Y. 2016-17, F.Y. 2017-18 and F.Y. 2018-19


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Sl No.	Description	Amount (In crore)	Need / urgency of capex	How the capex will have improvement in performance of plant/life enhancement	Justification of cost/ rate
1	Land	-	-	-	-
2	Building	-	-	-	-
3	Major Civil Works	-	-	-	-
4	Plant & Machinery	-	-	-	-
a	Supply and installation of air compressor with air receiver, replacement of all air supply pipes at Maneri Dam, Uttarkashi.	0.5	Required for cleaning of hoppers.	Choking of hoppers will be minimized which will help in better silt management.	
b	Increasing height (1250 mm) of four nos. fore bay gates by redesigning Balance Box	0.75	Fair weather channel will be operative during lean period.	Repair work on sedimentation tank (Hoppers), Flushing Conduits and FC gates will be possible.	
c	Replacement of one no. electric traction elevator	0.7	Electric traction freight elevator is not functional for more than 10 years.	Maintenance of dewatering pumps & regular inspection of dam gallery will be smooth.	
d	Supply and installation of ultrasonic flowmeter for discharge measurement near HRT at Maneri Dam.	0.2	At present there is no flow meter.	Flowmeter will measure more accurate discharge.	
e	Replacement of air vent pipe of surge tank	2.5	Air vent pipe had problems earlier & temporary corrective measures were undertaken	Replacement will be a permanent solution & avoid generation loss.	
f	Fabrication, Transportation and Erection of Back Regulator Gate with related hydro mechanical parts	8	TRC Gate (Back Regulator) is required to avoid silting of TRC in monsoon season	Back Regulator Gate will avoid silting of TRC during flood in River Bhagirathi & provide safety to the power house	
5	Vehicles	-	-	-	-

6	Furniture & Fixtures	-	-	-	-
7	Office Equipments & others	-	-	-	-
	Total*	12.65			

ANNEXURE - G

Additional Capitalisation Proposed for F.Y 2015-16 (Tentative from 01.10.2015 to 31.03.2016)

Name of HEP-Chilla Power House

S.No	Description	Amount in crore	Need / Urgency of capex	How the capex will have improvement in performance of plant/ life enhancement	Justification of cost/rate
1	Land	Nil			
2	Building	Nil			
3	Major Civil work	Nil			
4	Plant & machinery				
i	Supply of 132 KV CT & PT	0.54	At present accuracy class is 1.0	Improvement in Quality of metering	Tendered rate
ii	Repair of damaged runner blade set	0.7	Unavailability of runner blade set may lead to delay in maintenance of machine	less maintenance period so more availability of machine	Current market survey
iii	Procurement of drainage pump	0.14	Existing pump is very old & its maintenance cost is very high	More reliability of drainage system of Power House	OEM lowest rates
iv	Procurement of different valve	0.2	some valves of P.H are unreairable	Less break down & more availability of machines	OEM lowest rates
v	Procurement of OPU pump	0.45	some OPU pumps of P.H are unreairable	Less break down & more availability of machines	OEM lowest rates

vi	Repair of mirror disc & thrust coller	0.24	Unavailability of mirror disc & thrust coller may lead to delay in maintenance of machine	less maintenance period so more availability of machine	Current market survey
vii	Procurement of 220Volt ,400AH battery set Plante	0.41	Batter set is very old	improvement in protaction and control.	OEM lowest rates
viii	Procurement of 220Volt ,400AH battery charger	0.1	Batter charge is very old	improvement in protaction and control.	Current market survey
ix	Procurement of LT breaker	0.36	Installed LT breakers very old	improvement in LT supply of Power House.	Patent Item Company rate
x	Supply of water mist & CAF fire extinguisher	0.15	Out dated instrument	Safty of Power House	Current market survey
xi	Purchase of 500KVA DG Set	0.38	Out dated instrument	Safty & reliability of emergency Power supply	Tendered rate
5	Vehicles				
		Nil			
6	Furniture & Fixtures				
		Nil			
7	Office Equipment & Others				

Additional Capitalisation Proposed for F.Y 2016-17

Name of HEP-Chilla Power House

S.No	Desription	Amount in crore	Need / Urgency of capex	How the capex will have improvement in performance of plant/ life enhancement	Current market survey
1	Land				
2	Building				
3	Major Civil work				
4	Plant & machinery				
i	Extension of switchyard	1.00	No station transformer available.	It will improve the LT supply	Market rate survey



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5	Vehicles				
i	Procurement of Jeep	0.07	Exsisting Jeep is very old	Emergency Vehicle for P.H	Patent Item Company rate
ii	Procurement of Truck	0.15	Exsisting truck is very old	Fast & safe transportation of material	Patent Item Company rate
iii	Procurement of Ambulance	0.08	Exsisting Ambulance is very old	For employee welfare.	Patent Item Company rate
iv	Procurement of Jeep mounted lift fot line work	0.10	To save time of work & life of personnel	To save time of work & life of personnel	Patent Item Company rate
6	Furniture & Fixtures				
i	Chair & Table	0.02	Exsisting item are very old	Improve quality of work	Current market price
ii	Almirah & locker	0.01		Office Essentials	Current market price
7	Office Equipment & Others				Current market price
i	Computor,Printer,Fax,	0.02	Exsisting item are very old	Replacement of same is urgent	Current market price
ii	UPS	0.001		Replacement of same is urgent	Current market price
iii	Photo copier	0.008		Replacement of same is urgent	Current market price
	Total	1.46			

Particulars	FY of COD	Previous Year (n-1)	Current Year (n)			Remarks+	Ensuing Year (n+1)	Ensuing Year (n+2)	Ensuing Year (n+3)
		Actual / Audited	Apr-Sep (Actual)	Oct-Mar (Estimated)	Total (April - March)		Projected	Projected	Projected
A) Expenditure Details									
a) Land		0	0	0	0	Subject to investment approval from Hon'ble	0	0	0
b) Building		0	0	0	0		0	0	0
c) Major Civil Works		0	0	0	0		0	0	0
d) Plant & Machinery		0	0	0	0		0	47.38	45.62

e) Vehicles		0	0	0	0	UERC	0	0.035	0.035
f) Furniture and Fixtures		0	0	0	0		0	0	0
g) Office Equipment & Others		0	0	0	0		0	0.01	0.01
Total (A)	2022-23	0	0	0	0		0	47.43	51.52
B) Break up of sources of financing									
Rupee term Loan									
Debt 1		0	0	0	0		0	33.20	36.06
Debt 2									
....									
Foreign Currency Loan									
Debt 1		0	0	0	0		0	0	0
Debt 2									
....									
Equity									
In Rupees		0	0	0	0		0	14.23	15.46
In Foreign Currency									
c) Others (Please specify)									
Total (B)		0	0	0	0		0	47.43	51.52

ANNEXURE – H

Additional Capitalization Proposed for FY 2015-16
(Actual from 01.04.2015 to 30.09.2015 & Tentative from 01.10.2015 to 31.03.2016)

Name of HEP: Sharda Power House Lohiahead



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S. No.	Description	Amount (In Crore)	Need/Urgency of Capex	How the Capex will have improvement in performance of plant/life enhancement	Justification of cost/rate
1	Land				
2	Building				
3	Major Civil Works				
4	Plant & Machinery				
	Supply, Installation, Testing & commissioning of 1 MVA 11/0.4 KV Transformer & associated panels (2 incomer & 6 outgoing)	0.320			
	Construction of acrylic shed for turbine floor equipments.	0.049			
	Misc. Civil and E&M repairing works at club and other blocks.	0.100			
	Repairing of playground	0.050			
	Barbed wire fencing of open store yard.	0.030			
	Procurement of different types of T&P including test equipments.	0.050			
	Procurement of 500 GPH capacity Transformer oil centrifuging machine	0.115			
	Supply, installation, testing & commissioning of LED high mast of standard height of 20 Meters.	0.300			
5	Vehicles				
6	Furniture & Fixtures				
	Procurement & repairing of furniture.	0.075			
7	Office Equipments & Others				

	Total	1.089			
Additional Capitalization Proposed for FY 2016-17/FY 2017-18/FY2018-19					
Name of HEP: Sharda Power House Lohiahead					
S. No.	Description	Amount (In Crore)	Need/Urgency of Capex	How the Capex will have improvement in performance of plant/life enhancement	Justification of cost/rate
1	Land				
2	Building				
3	Major Civil Works				
4	Plant & Machinery Supply, Installation, Testing & commissioning of 500 KVA 33/0.4 KV Station Auxiliary Transformer (SAT) for dedicated auxiliary supply to Power House	0.500			
5	Vehicles				
6	Furniture & Fixtures				
7	Office Equipments & Others				
	Total	0.500			



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S. No.	Particulars	Previous Year (n-1)	Current Year (n)			Ensuing Year (n+1)	Ensuing Year (n+2)	Ensuing Year (n+3)	Remarks
		Actual / Audited	Apr-Sep (Actual)	Oct-Mar (Estimated)	Total (April - March)	Projected	Projected	Projected	
	Capital Expenditure	42.6	14.9	20.0	34.9	50.0	12.0	-	Civil work of 10.0 Crore due to canal breach.

ANNEXURE – I

Particulars	FY of COD	Previous Year (n-1)	Current Year (n)			Remarks+	Ensuing Year (n+1)	Ensuing Year (n+2)	Ensuing Year (n+3)
		Actual / Audited	Apr-Sep (Actual)	Oct-Mar (Estimated)	Total (April - March)		Projected	Projected	Projected
A) Expenditure Details									
a) Land		0	0	0	0	Subject to investment approval from Hon'ble UERC	0	0	
b) Building		0	0	0	0		0	0	
c) Major Civil Works		0	0	0	0		0	0	1.19
d) Plant & Machinery		0	0	0	0		0	39.01	80.25
e) Vehicles		0	0	0	0		0	0.053	0.053
f) Furniture and Fixtures		0	0	0	0		0	0	
g) Office Equipment & Others		0	0	0	0		0	0.15	0.15
Total (A)		0	0	0	0		0	39.213	81.643
B) Break up of sources of financing									
Rupee term Loan									
Debt 1		0	0	0	0		0	27.3	57

Debt 2									
....									
Foreign Currency Loan									
Debt 1		0	0	0	0		0	0	0
Debt 2									
....									
Equity									
In Rupees		0	0	0	0		0	11.7	24.43
In Foreign Currency									
c) Others (Please specify)									
Total (B)		0	0	0	0		0	39	81.43

Details of capital Expenditure for (R.P.S. Kalagarh) for the F.Y. 2015-16										
										Actual from 01/04/2015 to 30/09/2015
Ramganga Power Station, Kalagarh										
S. NO.	Description	Voucher No. & Date	Particulars of Asset capitalisation	Work order/p.o. no. & Date	Name of Supplier/contractor	Amount Capitalised	Date/month of capitalisation	original date/Month of capitalisation	Need/Urgency of capex	How the capex has improved performance of plant/life enhancement
1	Land									
1.1	New addition									
1.2	Transfer in from other Unites									
	De-capitalisation									
1.3	Transferred to other Units									
1.4	sale of Assets									
	sub Total De-capitalisation									

	sub Total capitalisation (5.1+5.2)									
	De-capitalisation									
5.3	Transferred to other Units									
5.4	Sale of Assets									
	Sub Total De-capitalisation (5.3+5.4)									
	Total (cap.-De cap.)									
S. NO.	Description	Voucher No. & Date	Particulars of Asset capitalisation	Work order/p.o. no. & Date	Name of Supplier/contractor	Amount Capitalised	Date/month of capitalisation	original date/Month of capitalisation	Need/Urgency of capex	How the capex has improved performance of plant/life enhancement
6	Furniture & Fixtures Capitalisation									
6.1	New Addition									
	Refrigerator and Water Cooler	A-5 of 04/2015 & O-23 dt. 14.05.15	AG Reviva institutional R.O.50 LPH Basis	S.O.- 406/EE(M) dt. 27.03.15	M/s.Bhagirthi Enterprises, 95/96, Nehrau Puram, M.D.D.A. Colony, Kanwali Road, Dehradun	45882.00	07.04.15	07.04.15		Provided better hospitalities in Erector Hostel as frequently higher officials and eminent guests visit here.
			Hot & Cold 11 Ltr. (RO+UV)			56012.00				
	Computers, Printer & UPS.	A-2 of 08/15	Computers, Printer & UPS.		M/s. Rem Computers	100590.00	Aug-15	Aug-15		This supply fulfilled the



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									essential requirement of the newly created GM office.
6.2	Transfer in from other Units								
	Spilt A/C 1.5Tr Make L.G. model No. LSA5AP5M & Stabilizer 90 volt	A-09 of 05/15	Spilt A/C 1.5Tr Make L.G. model No. LSA5AP5M & Stabilizer 90 volt	Invoice no. NIL dt. 22.4.15	Dy. G.M., H.G.C., Lohiahead	96415.00	23.04.15	23.04.15	Provided better hospitalities in Erector Hostel as frequently higher officials and eminent guests visit here and also fulfilled the requirement of newly created GM office.
	sub Total capitalisation (6.1+6.2)					298899.00			
	De-capitalisation								
6.3	Transferred to other Units								
6.4	Sale of Assets								
	Sub Total De-capitalisation (6.3+6.4)								
	Total (cap.-De cap.)								
7	Office Equipments & others Capitalisation								
7.1	New Addition								
7.2	Transfer in from other Units								
	sub Total capitalisation (7.1+7.2)								
	De-capitalisation								

7.3	Transferred to other Units									
7.4	Sale of Assets									
	Sub Total De-capitalisation (7.3+7.4)									
	Total (cap.-De cap.)									
	Net total									
Additional Capitalization Proposed for FY 2015-16 (from 01-10-15 to 31-03-16)										
			Ramganga Power Station, Kalagarh							
S. NO.	Description	Amount (In Crore)	Need/Urgency of Capex	How the Capex will have improvement in performance of plant/life enhancement	Justification of cost/rate					
1	Land									
2	Building									
3	Major Civil Works									
4	Plant & Machinery									