

ANNEXURE - 9


(Purushottam Singh)
Director (Operation)
UJVN Ltd.
Dehradun

Name of Project : Khatima

E&M Expenses

Additional Capitalization Proposed for the FY 2018-19					
Sr. No.	Description	Amount (Rs. In Crores)	Need/Urgency of CAPEX	How the Capex will have improvement in performance of plant/life enhancement	Justification of cost/rate
A	Land	-			
B	Building	-			
C	Major Civil Works	-			
D	Plant & Machinery				
1		1.43	Spares are needed	To reduce down time of machines	Through rates of M/s GE Hydropower India Ltd.
2		0.06	Spares of schneider	To reduce down time of machines	Through rates of firm
3		0.04	Spares of CT PT etc of panels	To reduce down time of machines	Through rates of firm
4		0.16	Procurement of pumps	To reduce down time of machines	Through rates of firm
5		0.60	33 KV Switchyard	Two nos 20 MVA transformer have been replaced by 40 MVA transformer, however other equipments are not changed.	Through market rates
6		0.12	DG set for bypass	Necessary as there is no bypass	Through market rates
7		0.11	BNR Spares	Required to avoid generation loss	Through market rates
		2.52			
E	Vehicles	-			
F	Furniture & Fixtures				
1		0.02	Table for control room	Needed in control room	Through market rates
2		0.02	Earthing of fencing	Safety	Through market rates
		0.04			
G	Office Equipment	-			
H	Others	-			
	Total	2.56			


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Sr. No.	Description	Amount (Rs. In Crores)	Need/Urgency of CAPEX	How the Capex will have improvement in performance of plant/life enhancement	Justification of cost/rate
A	Land	-			
B	Building	-			
1	Construction of Type-IV residences in residential complex at Sharda Power House, Lohiahead, Khatima.	1.41	Due to lack of residences for Officers posted at Sharda Power House Lohiahead (Khatima)	By providing suitable accomodation in power house permises.To attend the emergencies residences nearby Power house is required and transportation cost is decreasead.	Based On DSR 2016
		1.41			
C	Major Civil Works	-			
D	Plant & Machinery	-			
E	Vehicles	-			
F	Furniture & Fixtures	-			
G	Office Equipment	-			
H	Others	-			
	Total	1.41			


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Sr. No.	Description	Amount (Rs. In Crores)	Need/Urgency of CAPEX	How the Capex will have improvement in performance of plant/life enhancement	Justification of cost/rate
A	Land	-			
B	Building	-			
C	Major Civil Works	-			
D	Plant & Machinery				
1		11.44	Only Supply payment of 2 sets (4 nos.) and Service payment of 3 sets (6 nos.) of diffusers has been considered.	Life extension of Unit	Market rate
		11.44			
E	Vehicles	-			
F	Furniture & Fixtures	-			
G	Office Equipment	-			
H	Others	-			
	Total	11.44			


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Additional Capitalization Proposed for the FY 2019-20					
Sr. No.	Description	Amount (Rs. In Crores)	Need/Urgency of CAPEX	How the Capex will have improvement in performance of plant/life enhancement	Justification of cost/rate
A	Land	-			
B	Building	-			
C	Major Civil Works	-			
D	Plant & Machinery				
1		0.32	Major repair of EOT crane	Availability of crane is necessary and due to this down time can be reduced	Market rates
2		0.45	Videography and Reapir of draft tube gates seal	Underwater part and has to be done without dewatering	Market rates
3		0.40	Safety of power house	For safety of Switchyard equipment and to prevent entry of auothorised persons	SOR and Market rate
4		0.40	Testing equipments	To reduce downtime	Market rates
5		0.30	132 KV Breakers	Old needs to be changed	Market rates
6		2.20	33 KV Switchyard	Two nos 20 MVA transformer have been replaced by 40 MVA transformer, however other equipments are not changed.	Through market rates
7		12.00	Spares are needed	To reduce down time of machines	Through rates of M/s GE Hydropower India Ltd.
		16.07			
E	Vehicles	-			
F	Furniture & Fixtures	-			
G	Office Equipment				
1		0.08	Furnitures for AE/JE	Efficiency will increase	Market rates
		0.08			
H	Others	-			
	Total	16.15			


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Sr. No.	Description	Amount (Rs. In Crores)	Need/Urgency of CAPEX	How the Capex will have improvement in performance of plant/life enhancement	Justification of cost/rate
A	Land	-			
B	Building				
1	Construction Of EE (Civil) Office Building including provision of parking and development works.	0.60	For Proper working and sitting space of the newly created Executive Enginner (Civil) Office at Lohiahead.	It will help in proper execution Of the various civil works at Lohiahead (Khatima)	Based On DSR 2016
2	Construction Of EE (M &G) Office Building including provision of parking and development works.	0.60	After the addition of posts of DGM ,OS,and AO the office space of already established EE (M&G) has fallen short. Therefore for Proper working and sitting space aseparate Office building is required.	It will help in proper execution Of the various maintenance and generation works Of Sharda Power House Lohiahead(Khatima)	Based On DSR 2016
3	Construction Of Central Store Building at Sharda Power House Lohiahead (Khatima)	0.56	In case Of demolition of the existing central store building for constructing Bye-Pass Channel	For proper and safe Storage Of Tools & Machinery Parts Of Sharda Power House.	Based On DSR 2016
4	Providing and fixing Of Chain Link fencing in II type and DP type residences in residential complex at Sharda Power House,Lohiahead,Khatima.	0.54	For the Safety of Individual Residences.	It will improve the safety of residences.	Based On DSR 2016


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5	Providing & Fixing of Chain Link Fencing from C-16 to RT Bank of TRC Nigam Premises Near Temple, Area in front of Double store Building and at scrap yard area near hospital Building at in residential complex at Sharda Power House, Lohiahead, Khatima.	0.49	To avoid the encloement Of Nigam land and for overall safety of the colony. .	It will protect the Nigam land.	Based On DSR 2016
6	Construction of new Garrages in Type - III residences in residential complex at Sharda Power House, Lohiahead, Khatima	0.35	For safe parking Of the Vehicle.	It will provide overall safety Of the Vehicle.	Based On DSR 2016
7	Providing and laying Of tiles etc in Front verandah Of Type- III, Type-II and C Type residences in residential complex at Sharda Power House, Lohiahead, Khatima.	0.21	For the Safety from Wildlife.	It will provide overall safety Of the residences.	Based On DSR 2016
8	Painting & Internal Oil bound distemper Work in Residences Of Lohiahead Colony	0.25	For the Protection Of Plasterd wall surface and provide the aesthetic view of the residences.	It will improve the apperance of the residences.	Based On DSR 2016
9	External Painting Work in Residences Of Lohiahead Colony.	0.50	For the Protection Of Plasterd wall surface and provide the aesthetic view of the residences.	It will improve the apperance of the residences.	Based On DSR 2016


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10	Special repair Of D Type residences including providing and laying of tiles in floors & courtyard covering in residential complex at Sharda Power House, Lohiahead, Khatima.	0.70	For the Safety from Wildlife and replacement of Old damaged flooring.	It will improve the standard of living.	Based On DSR 2016
11	Repair & Maintenance Of Road from Maida Mill to Polyplex at Khatima.	1.50	The road Condition is very poor and as per instruction Of local MLA.	It will improve the general riding standard.	Based On DSR 2016
		6.30			
C	Major Civil Works				
1	Construction of Bye Pass Channel near Forebay at Sharda Power House, Lohiahead, Khatima.	5.00	For safety Of Sharda Power House from tripping Of Machines /Flood.	It will provide the independent control for discharge regulations .	Based On DSR 2016
		5.00			
D	Plant & Machinery	-			
E	Vehicles	-			
1	Hiring of Non A.C. Diesel Vehicle Bolero or Equivalent Model with Driver for Executive Engineer(Civil) Lohiahead Khatima for one year.	0.07	For proper and effective control/supervision of all the work under EE (Civil) Lohiahead.	It will help timely monitoring /Control of all the work under EE (Civil) Lohiahead.	
		0.07			
F	Furniture & Fixtures	-			
G	Office Equipment	-			
H	Others	-			
	Total	11.37			


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Additional Capitalization Proposed for the FY 2020-21					
Sr. No.	Description	Amount (Rs. In Crores)	Need/Urgency of CAPEX	How the Capex will have improvement in performance of plant/life enhancement	Justification of cost/rate
A	Land	-			
B	Building	-			
C	Major Civil Works	-			
D	Plant & Machinery				
1		10.00	Major capital maintenance of unit 3	Life extension of Unit	Market rate
		10.00			
E	Vehicles	-			
F	Furniture & Fixtures	-			
G	Office Equipment	-			
H	Others	-			
	Total	10.00			


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A	Land	-			
B	Building	-			
C	Major Civil Works				
1	Construction of Bye Pass Channel near Forebay at Sharda Power House, Lohiahead, Khatima.	25.00	For safety Of Sharda Power House from tripping Of Machines /Flood.	It will provide the independent control for discharge regulations .	
		25.00			
D	Plant & Machinery	-			
E	Vehicles				
1	Hiring of Non A.C. Diesel Vehicle Bolero or Equivalent Model with Driver for Executive Engineer(Civil) Lohiahead Khatima for one year.	0.07	For proper and effective control/supervision of all the work under EE (Civil) Lohiahead.	It will help timely monitoring /Control of all the work under EE (Civil) Lohiahead.	
		0.07			
F	Furniture & Fixtures	-			
G	Office Equipment	-			
H	Others	-			
	Total	25.07			


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Additional Capitalization Proposed for the FY 2021-22					
Sr. No.	Description	Amount (Rs. In Crores)	Need/Urgency of CAPEX	How the Capex will have improvement in performance of plant/life enhancement	Justification of cost/rate
A	Land	-			
B	Building	-			
C	Major Civil Works	-			
D	Plant & Machinery				
1		10.00	Major capital maintenance of unit 2	Life extension of Unit	Market rate
		10.00			
E	Vehicles	-			
F	Furniture & Fixtures	-			
G	Office Equipment	-			
H	Others	-			
	Total	10.00			


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Sr. No.	Description	Amount (Rs. In Crores)	Need/Urgency of CAPEX	How the Capex will have improvement in performance of plant/life enhancement	Justification of cost/rate
A	Land	-			
B	Building	-			
C	Major Civil Works				
1	Construction of Bye Pass Channel near Forebay at Sharda Power House, Lohiahead, Khatima.	12.00	For safety Of Sharda Power House from tripping Of Machines /Flood.	It will provide the independent control for discharge regulations .	
2	Construction of C.C. Road on Right Bank from Intake to Bye Pass of Sharda Channel at Lohiahead.	0.64	In case Of demolition of the existing road for constructing Bye-Pass Channel	For Providing access to the nearby residents.	
		12.64			
D	Plant & Machinery				
1	Hydro Mechanical Works related to bypass channel near Forebay at Sharda Power House, Lohiahead, Khatima.	6.50	For safety Of Sharda Power House from tripping Of Machines /Flood.	It will provide the independent control for discharge regulations .	
		6.50			


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E	Vehicles				
1	Hiring of Non A.C. Diesel Vehicle Bolero or Equivalent Model with Driver for Executive Engineer(Civil) Lohiahead Khatima for one year.	0.07	For proper and effective control/supervision of all the work under EE (Civil) Lohiahead.	It will help timely monitoring /Control of all the work under EE (Civil) Lohiahead.	
		0.07			
F	Furniture & Fixtures	-			
G	Office Equipment	-			
H	Others	-			
	Total	19.21			


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