

MADHYA BHARAT POWER CORPORATION LTD.

Project Office: D. D. Sharma's Building (2nd Floor), Near State Bank of India, Daragaon, Tadong - 737102, Gangtok, East Sikkim Tel: 03592 - 231065

Project Office-1: Sawney, Kumrek, Power House,
Rangpo Rorathang Road, P.O. Rangpo, East Sikkim, Pin-737132

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CIN - U74899DL1994PLC061349 GSTIN: 11AADCM4859K1ZC

Ref. No: MBPCL/F-10/2021-22/735

Date: 19/02/2022

To

The Deputy Director General of Forests (C),
Ministry of Env., Forest and Climate Change,
Integrated Regional Office,
Kolkata IB – 198, Sector – III,
Salt Lake City, Kolkata – 700106
Iro.kolkata-mefcc@gov.in

Subject: Submission of Six-Monthly Compliance Status Report on Environment Clearance granted for Rongnichu HEP (115 MW) in East District, Sikkim by M/s Madhya Bharat Power Corporation Limited for the period 01.07.2021 to 31.12.2021.

Dear Sir,

At the outset, we wish to inform your good self that MoEF & CC vide F. No. J-12011/14/2019-IA-I (R) dated 02.02.2021 has granted Environment Clearance for our Rongnichu HEP (115 MW) in East District, Sikkim.

Further, we also wish to inform your good self that in pursuance to the certification of the fulfillment of the criteria for declaration of COD by ERLDC and the acknowledgement of the same by CEA, the Date of Commencement of Commercial Operation of the 115 MW Rongnichu generating station as whole is declared on 04th July 2021.

Now, in context to the subject cited matter, please find enclosed herewith point wise Compliance Status Report on the conditions stipulated in Environment Clearance towards implementation of 115 MW Rongnichu Hydro Electric Project as **Annexure – 1**.

Submitted for favour of kind information and perusal, please.

PON

EAST SIKKIN

Thanking you,

Yours faithfully,

(P. P. Adhikari)

Sr. Manager (Environment)

Encl: As stated

Copy to: The Member Secretary, State Pollution Control Board, Govt. of Sikkim, Deorali, Gangtok, for kind information, please.

Point wise compliance of Condition Stipulated in the Environment Clearance Granted Vide F. No., J-12011/14/2019-IA-I (R) dated 02.02.2021 for Rongnichu HEP (115 MW) by Madhya Bharat Power Corporation Limited

SI. No.	Observation Statutory compliance	Compliance Status				
1						
1	The project proponent shall obtain forest clearance under the provision of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest [purpose involved in the project.	Forest Clearance for Diversion of Forest Land for to obtained: Details of forest land diverted	he Project ha	s already been		
	[purpose involved in the project.	Particulars	Area (ha)	Letter Dated		
		Diversion of Forest Land - Annex: I (a)	26.2313	18.05.2009		
		Diversion of additional Forest Land – Annex: I (b)	2.5325	21.02.2012		
		Surrender of already diverted forest land	-3.6250			
		Forest Land for construction of 220Kv transmission line (Right of Way) – Annex: I (c)	23.3437	22.05.2017		
		Total	48.4825			
II.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not applicable: The project falls 3.79 Km Outside Sanctuary and its ESZ. Distance map dully authentical Sikkim. The Eco-sensitive zone of the Fambonglho Wildlife State Ministry of Environment Forest and Climate Change August 2014. Ministry of Environment, Forest and Climate Change 2019 has relaxed the requirement for prior clearance the National Board for Wildlife (SCNBWL) as under.	anctuary has l ge vide notifica e vide OM Da	wild Life Warden, s been notified by cation dated 27th ated: 8th August,		

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KUMREK RANGPO EAST SIKKIM

SI.	Observation	Compliance Status
No.		Quoted: "ii. Proposals involving developmental activity/project located outside the stipulated boundary limit of notified ESZ and located within 10 km of National Park/ Wildlife Sanctuary, prior clearance from Standing Committee of the National Board for Wildlife (SCNBWL) may not be applicable. However, such proposals from environmental angle including impact of developmental activity/project on the wildlife habitat, if any, would be examined by the sector specific Expert Appraisal Committee and appropriate conservation measures in the form of recommendations shall be made. These recommendations shall be explicitly mentioned in the environmental clearance letter and shall be ensured by the member secretary concerned."
		On the basis of above it can be implemented that the prior clearance from Standing Committee of the National Board for Wildlife is not be required for our project. The detailed map regarding distance of the project boundary from the nearest wildlife sanctuary, duly authenticated by the Chief Wildlife Warden is enclosed as
III	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implementation report shall be furnished along with the six – monthly compliance report. (in case of the presence	Annex – II. The wildlife conservation plan for Red Panda and Clouded Leopard has been prepared and the same is approved by the Department of Forest & Environment Government of Sikkim vide there letter no 40/WL/E dated 24.06.2020. INR 32,50,000/- has been deposited by us vide Demand Draft no "139923" dated 20.05.2020 against the Budgetary provisions for the wildlife conservation plan a Annex – III.
IV	of Schedule – I species in the study area). The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board / Committee.	Operate was granted vide letter in

SI.	Observation	Compliance Status
No. V	NOC shall be obtained from National Commission of Seismic Design Parameters (NCSDS) of CWC.	The NOC for Site Specific Design Earthquake Parameters has been issued by National Commission of Seismic Design Parameters (NCSDP) of CWC vide letter no. 2/2/2013/(Vol-I)/FE&SA/610 dated 03.09.2013. Copy enclosed as Annex – V.
	Necessary approval of CEA shall be obtained for those projects having the project cost more than Rs. 1,000	Against our request for approval Pre-DPR Chapters viz., Hydrology, Layout Map and Power Potential Studies, CEA responded vide letter dated 17.11.2020 that TEC has been initially granted by the State Government of Sikkim vide letter dated 01.10.2008. As such the requisite approval may be obtained from Govt. of Sikkim.
: 40		TEC for Revised DPR (enhanced power station capacity 115 MW) was granted by State Government vide letter dated 15.06.2020. Copy enclosed as Annex – VI.
11	Air quality monitoring and preservation	Environment Monitoring Report of December, 2021 attached as Annex – VII.
i	Regular monitoring of various environmental parameters viz., water Quality Ambient Air Quality and Noise Levels as per the CPCB guidelines at designated locations shall be carried out on monthly basis and a detailed database of the same shall be prepared and recorded. This shall be used as a baseline data for post construction EIA/	
ji	Monitoring purposes Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed standards	3. Plantation work along the internal road will also be done Dust generation is not envisaged from the project from any source other than vehicular movements (required only for transit of O&M employs to and fro from the plant).
ili	Necessary control measures such as water sprinkling arrangements, etc. bet taken up to arrest fugitive dust at all the construction sites.	All necessary control measures were installed during construction work. The construction works have now been completed.
	Water quality monitoring and preservation	

SI. No.	Observation	Compliance Status
THE A	Before impounding of the water, Cofferdams for both at the upstream and downstream are to be decommissioned as per EIA/EMP report so that once the project is commissioned; cofferdam should not create any adverse impact on water environment including the rock mass and muck used for the Cofferdam.	The upstream and downstream cofferdams have been decommissioned as per the provisions of EIA/EMP report. Now, the cofferdam will not create any adverse impact on water environment including the rock mass and muck used for the Cofferdam.
II	As the reservoir will be acting as balancing reservoir and there would be fluctuation of water level during peaking period, efforts be made to reduce impact on aquatic life including impacts spawning period both at the upstream and downstream of the project.	Pertaining to measure taken for the conservation of the aquatic life, establishment of two hatcheries has been proposed to be established. The Directorate of Fisheries, GoS has been hired for preparation of the Detailed Project report for establishment of the said fishery. The DPR is under preparation, after finalization of DPR the establishment work will be commenced.
III	Water depth sensors shall be installed at suitable locations to monitor e-flow. Hourly data to be collected and converted to discharge data. The Gauge and Discharge data in the Excel Sheet is submitted to the Regional Office, MoEF & CC and to the CWC on weekly basis.	During other than monsoon season the e-flow shall be released through 1000 mm diameter sluice pipe fitted with Clamp on ultrasonic meter at its end with its sensors connected to control room. During monsoon season, flow shall be released through under sluice bay and flow shall be measured by calibrated open channel flow meter already fitted at the end of d/s pier. Hourly data to will be collected and converted to discharge data. The Gauge and Discharge data in the Excel Sheet will be submitted to the Regional Office, MoEF & CC and to the CWC on weekly basis. Real time monitoring of e-flow will be done and the data thus collected is being
IV.	Noise Monitoring and prevention:	uploaded on SPCB portal.
Î	All the equipment likely to generate high noise shall be appropriately enclosed or inbuilt noise enclosures be provided so as to meet the ambient noise standards as notified under the Noise Pollution (Regional and Control) Rules, 2000, as amended in 2010 under the Environment Protection Act, (EPA), 1986.	All the equipment likely to generate high noise have in-built noise enclosures be provided so as to meet the ambient noise standards as notified under the Noise Pollution (Regional and Control) Rules, 2000, as amended in 2010 under the Environment Protection Act, (EPA), 1986.

SI. No.	Observation			Compliance			
ii A	The ambient noise level should confirm to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	We acco	ept the condition	and we assure to a	dhere by the same.		
V.	Catchment Area Treatment Plan:					- f Caraci	to Env
- [Catchment Area Treatment Plan (CAT) Plan as proposed in the EIA/EMP Report shall be implemented in consultation with the State Forest Department and shall be implemented in synchronization with the construction of the project.	Catchment treatment plan has been prepared by the Department of Forests, Ed. Wildlife Management, GoS, which includes treatment of the area a maintenance of plantations. MBPCL has paid an amount of Rs. 578.28 Lakhs Vide letter 026/EO/DGM/MBPCL/2012-12 dated 05.03.2012 to the Department of Forests Ed. Wildlife Management, GoS, for implementation of the CAT plan as Annex – Video C			er no. sts Env.		
VI	Waste Management:						All tho
1	Muck disposal be carried put only in the approval and earmarked sites. The dumping sites shall be located sufficiently away from the HFL of the river. Efforts be made to reuse the muck for construction and other filling purposes and balanced be disposed of at the designated disposal sites. Once the muck disposal sites are inactive, proper treatment measures be carried out so that sites are stabilized quickly.	The muck disposed was carried out only in the approved muck dump yards. All the dumping sites we located at sufficient distance from the HFL of the river. A portion of the muck was used for construction and backfilling. The muck dump sites have now been saturated, restoration works including both engineering and biological measures are being carried out.				k dump ing and	
ii	Solid waste management should be planned in details Land filling of plastic waste shall be avoided and instead be used for various purposes as envisaged in the EIA/EMP reports. Efforts be made to avoid one time use of plastics.	Solid waste such as empty cement bags were being used for backfilling the tunned during excavation and also sold in local market. We assure you that one time use of plastics was not carried out during construction and will not be utilized during operation.			e use of		
VI	Green Belt and Wildlife Management:				three regime following	og is pro	nosed to
i	Based on the recommendation of Cumulative Impact Assessment and Carrying capacity study of river basin or	Based be rele	on ToR condition eased as environ	related to e-flow to mental flow:	he three-regime followin		
	as per the TOR conditions or minimum 15% of the	SI.	Season	Months	Average flow in 90%	E-I	Flow
	average flow of four consecutive leanest months, whichever value is higher, shall be released as	No.			dependable Yr. (cumec)	%age	Cumeo
	environmental flow.		Monsoon	June, July, Aug and Sept	28.75	30	8.63

SI.	Observation	Compliance Status					
No.		2	Lean Season	Dec, Jan, Feb & March	4.76	20	0.95
15.70		3(i)	Non- Monsoon, Non-Lean	Oct and Nov	15.90	20	3.18
		3(ii)	Non-Monsoon, Non-Lean	April and May	9.54	20	1.91
II	Detailed information on species composition particular to fish species from previous study / literature be inventoried and proper management plan shall be prepared for insitu conservation in the streams, tributaries of river and the main river itself for which adequate budget provision be made and followed strictly.	detailed information on species composition particular to fish species from previous study / literature be inventoried. Management plan will be prepared for in situ conservation in the streams tributaries of river and the main river has been prepared and an amount of IN 170.00 Lac has been earmarked. The wild life conservation plan for Red Panda and Clouded Leopard has been prepared and the same is approved by the Department of Forest & Environment Government of Sikkim vide their letter no. 40/WL/E dated 24.06.2020. INR 32,50,000/- has been deposited by us vide Demand Draft no. "139923" date 20.05,2020 against the Budgetary provisions for the wildlife conservation plan.				streams,	
III.	Wildlife Conservation Plan approved by the Chief Wildlife Warden shall be implemented in consultation with the local State Forest Department.					3" dated	
iv.	To enrich the habitat of the project site, plantation shall be raised as envisaged in the EIA/EMP report. Plantation to be developed along the periphery of the reservoir in multi-layers with local indigenous species in consultation with the local State Forest Department.	In order to develop the greenbelt, it is proposed to plant 3000nos of sapling are the periphery of the reservoir, internal road and other locations with indigenous species in consultation with the local State Forest Department. Out of the above, we have already planted 556 Nos of saplings in this monseason. Further it is proposed to plant additional 1000 nos of saplings in the			monsoor the F.Y		
V	Compensatory afforestation programme shall be implemented as per the plan approved.	Comp	ensatory afforest oved plan by Depar	tation programme rtment of Forest & Er	has been implem nvironment, Govern	nented as nment of S	per the likkim.
	Public Hearing and Human health issues.						(
i	Resettlement & Rehabilitation plan be implemented in consultation with the State Govt. as approved by the State Govt		tlement & Reha rnment	abilitation plan has	been implemen	ited by t	he State

SI.	Observation	Compliance Status
No.		Community and social development plan have been implemented. Further, we
.ii.	development plan including community welfare schemes	Expenditures incurred on Community and Social Development up to 31.12.2021 is
iii.	mosquito control shall be done in and around the labour colonies, affected villages, stagnated pools, etc. Provisions be made to not to create any stagnated pools to avoid creation of breeding grounds of the vector borne	Preventive measures have been carried out in and around the labor colonies, affected villages, stagnated pools, etc. Provisions have been made to not to create any stagnated pools to avoid creation of breeding grounds of the vector borne diseases.
iv.	seases. ovision shall be made for the housing of construction bour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, obile STP, safe drinking water, medical health care, each etc. The housing may be in the form of temporary tructures to be removed after the completion of the	Provision for housing of construction labour within the site have been made. Proper Canteen Facilities are provided for carting meal requirements of all the project/contractor's workers in all the sites of the project, LPG is being utilized for cooking purpose. Recreational Facilities TV, Occasional Film Show, Indoor games etc. have been provided. The housing made was temporary structures and dismantling of the same is in progress.
٧.	Labour force to be engaged for construction works shall be examined thoroughly and adequately treated before issuing them work permit. Medical facilities shall be provided at the construction sites.	Two registered medical practitioners are posted at Jitlang in VPS/Adit-3 to ensure that First aid facilities are available in all Project sites. All labors have been covered with Necessary PF and insurance, as applicable.
vi.	Early Warming Telemetric system shall be installed in the upper catchment area of the project for advance intimation of flood forecast.	

SI.		Compliance Status
No.	Observation	Ltd., who have certified that their system will function as per the SOP issued by CEA. Copy of Purchase order awarded to Campbell is enclosed as Annex – X (b).
vii	Emergency preparedness plan be made for any eventuality of the dam failure and shall be implemented	The Onsite Management plan has been prepared and submitted to the Disaster Management Authority, East Sikkim, GoS.
IX	as per the Disaster Management Plan. Miscellaneous	training to 40 pas of local people.
i.	Skill mapping be undertaken for the youths of the affected project area and based on the skill mapping, necessary trainings to the youths be provided for their long-time livelihood generation	Further indirect employment has been provided to more than 600 nos. of Eddar people. Funding is provided for winter coaching classes in Government Secondary School, Duga, Central Pendam, East Sikkim. Have also taken initiative by providing financial support to the local school students by way of Scholarship. Annual financial Scholarship is being provided to 2 nos. of students of class 10th Government Secondary School, Duga, Central Pendam, East Sikkim & 2 nos. of students of 12th of Singtam Secondary School, East Sikkim.
II.	The Company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements deviation/violation of the environmental/forest/wildlift norms/ conditions. The company shall have define system of reporting infringements/ deviation/violation of the environment/ forest/wildlife norms/ condition and / or shareholders/ stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of Six-Monthly Report.	date 01.04.2020. Copy of the Board Resolution along with environment policy is enclosed as Annex XI (a & b).

SI. No.	Observation	Compliance Status
III.	A separate Environmental Cell both at the project and company head quarter level with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	A separate Environmental Cell both at the project and company head quarter level have been set up under the control of Senior Executive with qualified personnel. The environmental cell directly reports to the Whole Time Director of the Company.
iv.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/ Regional Office along with the Six-Monthly Compliance Report.	Agreed, the Action plan is under preparation and shall be submitted as a part of next Six-Monthly Report to be submitted on or before 01.07.2022.
V.	Post EIA and SIA be prepared for the project through a third party and evaluation report be submitted to the Ministry after five years of commissioning of the project.	We accept the condition.
vi.	Multi-Disciplinary Committee (MDC) be constituted with experts from Ecology, Forestry, Wildlife, Sociology, Soil Conservation, Fisheries, NGO etc. to oversee implementation of various environmental safeguards proposed in EIA/EMP report during construction of the project. The monitoring report of the Committee shall be uploaded in the website of the Company.	
vii.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	A copy of the Environment Clearance has been uploaded at our website a http://www.mbpcl.co.in/OtherCompliances.html

SI.	Observation	Compliance Status
No. viii.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of the local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	The copies of the environment clearance were submitted to the Heads of Government Department and local Panchayat (MEO) vide our letter no. MBPCL/F-10/2020-21/623 dated 13.02.2021. Copy of intimation letter is enclosed as Annex – XIII.
ix.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half- yearly basis.	We accept the condition.
х.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at the environment clearance portal.	We accept the condition.
xi.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules 1986 as amended subsequently and put on the website of the company.	We accept the condition.
xii.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	All the project works have been completed and the Commercial Operation of the station as in whole has been declared on 04.07.2021.
xiii	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Control Board and the State Government.
xiv.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public	made in the EIA/EMP report, commitment made during rubic ricaring and also

SI.	Observation	Compliance Status
F 145	Hearing and also that during their presentation to the Expert Appraisal Committee.	
xv.	xv. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests, and Climate Change (MoEF&CC).	We accept the condition.
xvi.	Concealing factual data or submission of false/ fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	We accept the condition.
xvii.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	We accept the condition.
xviii.	The Ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.	We accept the condition.
xix.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/	We accept the condition and we assure you that, we will extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/ information/ monitoring reports.
XX.	information/ monitoring reports The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution)Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.	As per the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, Consent to Establish and Operate have been granted by the State Pollution Control Board. An application for grant of Authorization for used/spent oil envisaged to be generated from the project has been made under the provisions of Hazardous and

SI.	Observation	Compliance Status
No.		As per the provisions of the Public Liability Insurance Act, 1991, the PUBLIC LIABILITY ACT POLICY has been obtained from Tata AIG General Insurance Company Ltd vide Policy No. 0304003535.
xxi.	Any appeal against the EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section16 of the National Green Tribunal Act, 2010	





GOVERNMENT OF SIKKIM

OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS-CUM-SECRETARY DEPARTMENT OF FORESTS, ENVIRONMENT AND WILDLIFE MANAGEMENT FOREST SECRETARIAT, DEORALI, GANGTOK-737 102[PH: 281145, 281877 (O), FAX: 03592 -281145, 281778]

Ref. No 1022/ 170 FCA FEWMD

Duted 18/6/69.

To,

The Director-cum-Chief Executive Officer, Madhya Bharat Power Corp. Limited, Tadong, East Sikkim.

Sub: Proposal for diversion of 26.2313 Ha of forest land for construction of 96 MW Rongni Chu Hydro Electric Project on River Rongni Chhu, in East District of Sikkim by M/s Madhya Bharat Power Corporation Ltd. (Hydro Power Division)—Final Approval regarding

Sir,

In continuation to this office letter No.1022/798/FCA/FEWMD dated 19/02/09, I am directed to convey the final approval, accorded by the Ministry of Environment & Forests, Government of India, for diversion of 26.2313 Ha of forest land for construction of 96 MW Rongni Chu Hydro Electric Project on River Rongni Chhu, in East District of Sikkim by M/s Madhya Bharat Power Corporation Ltd. (Hydro Power Division), under Section 2 of Forest (Conservation) Act 1980 subject to compliance / fulfillment of the conditions mentioned in the approval letter No. 3 – SK C 012/2007-SHI/256-57 dated 18/05/2009 (a copy of which is enclosed for ready ref.).

Therefore, you are requested to direct the concerned officer to contact the Divisional Forest Officer (Territorial)East Division, HQ, at Gangtok for getting demarcation of the project area, using and erecting RCC pillars, on the ground as per the condition No.(6) and submit the handing / taking over report of the diverted forest land accordingly.

Please ensure that other conditions as laid down in the approval letter mentioned above are complied simultaneously while executing the project work. The User Agency shall extend necessary assistance to the Monitoring team, deployed from the State Government as well as from Central Government, during and after the construction of the project work also.

Yours faithfully,

(C. Lachungpa, IFS)

CCF-cum-Nodal Officer (FCA)

Department of Forest, Environment & Wildlife Management, Government of Sikkim, Gangtok. (PH- 281145).



GOVERNMENT OF INDIA MINISTRY OF ENVIRONMENT & FORESTS NORTH EASTERN REGIONAL OFFICE UPLAND ROAD, LAITUMKHRAH, SHILLONG - 793003 さず/Tel: (0364) - 2227673, 2227929, 2502278, 2227047 GRAM: PARYAVARAN, SHILLONG

ईनेल/Email - mofner-meg@nic.in & moefner@dataone.in

भारत सरकार पर्यावरण एवं वन मंत्रालय पूर्वोत्तर क्षेत्रीय कार्यालय अपलैंड रोड, लाइतुमुखरा, शिलांग - 793003 फैक्स/Fax: (0364) - 2227047 तार: पर्यावरण, शिलांग

THE HARD TO THE HEALTH LINE WAS AN ARREST AND ARRESTS.

No. 3- SK C 012/2007-SHI/276-57

May 18, 2009

To

The Principal Chief Conservator of Forests--Cum Principal Secretary Dept of Forests, Environment & Wildlife Govt. of Sikkim Deorali, Gangtok Sikkim

Sub: Proposal for diversion of 26.2313 ha of forest land for construction of 96 MW Rongni Chhu Hydro Electric Project on River Rongni Chhu in East District of Sikkim by M/s Madhya Bharat Power Corporation Ltd. (Hydro Power Division).

Sir,

Please refer to the State Government's letter No. 1190(1022)/FCA/FEWMD dt. 08.01.2007 & No. 1022/789/FCA/FEWMD dt. 19.2.09 on the subject mentioned above, seeking prior approval of the Central Government in accordance with section 2 of the FCA, 1980.

After careful consideration of the proposal of the State Government of Sikkim and recommendation of SAG, the Central Government hereby conveys its final approval for diversion of 26.2313 ha of forest land for construction of 96 MW Rongni Chhu Hydro Electric Project on River Rongni Chhu in East District of Sikkim by M's Madhya Bharat Power Corporation Ltd. (Hydro Power Division), subject to the following conditions:

1. The legal status of the forest land shall remain unchanged.

 Compensatory afforestation shall be carried out over 47.50 ha of degraded forest land identified at 4 (four) locations under Singtam Range in East Division 6.50 ha at Tarpin R.F under Rongli Range of East (T) Division as per the fund deposited by the User Agency.

 Additional amount of the Net present Value (NPV) of the diverted forest land, if any, becoming due after finalization/revision of the same by the Hon'ble Supreme Court of India shall be charged by the State Govt from the User

Agency.

4. The User Agency shall also undertake all necessary precautionary measures during the implementation of the project as per the CAT Plan under the approved EIA/EMP by the the Ministry and subject to further monitoring by the State Forest Department.

5. Normally no explosive shall be used but when unavoidable the same may be used to the minimum extent and it will be done only with the prior permission

6. The project area shall be demarcated on ground at the project cost, using four feet high RCC pillars, with each pillar inscribed with the serial number, forward and backward bearings and distance between two adjacent pillars

7. The User Agency shall ensure that muck does not roll down the slopes and shall be disposed safely and that it does not pollutes the natural streams and

water bodies in surrounding area.

S. There should be minimum felling and strictly wherever it is only essentially required and the blank areas shall be immediately planted during and after construction of the project.

9. Fuel wood/alternate energy sources shall be provided free/at subsidized cost to the labourers working at the project site so as to avoid any pressure over

adjoining forest.

10. There should be no damage to the surrounding forests, environment, wildlife, natural resources and other properties and if any, the same shall be compensated along with the reclamation measures.

11. No labour camp shall be set up nor any habitation shall be allowed to come up

in the forest land or non-diverted forest land.

12. The forest land shall not be used for any purpose other than that specified in

the proposal.

13. In case of non-compliance of any of the above conditions the Nodal Officer, Sikkim Forest Deptt. shall suspend the non-forest use of land and submit a report to this office.

14. Any other conditions as may be found appropriate in future for the betterment of environment & wildlife, may be imposed by CCF (C), North Eastern Regional Office.

Yours faithfully,

(R. L. Sanga)

Dy. Conservator Forests (C)

Copy to: The Nodal Officer, O/o The PCCF, Department of Forest, Env. & WL Management Government of Sikkim, Deorali, Gangtok.

Dy. Conservator Forests (C)





GOVERNMENT OF SIKKIM OFFICE OF THE PRINCIPAL C.C.F.-cum- SECRETARY

DEPARTMENT OF FORESTS, ENVIRONMENT AND WILDLIFE MANAGEMENT GANGTOK, SIKKIM, DEORALI – 737 102

[Phone No.:281778, 281145[FAX NO.03592:281145] E-mail ID; fca.sikkim@gmail.com

Ref. No.1022 /FCA/FEWMD 1730

Date: 24 2 12

To,

The CEO-cum-Director,
Madhya Bharat Power Corporation Ltd.,
Gouma Devi Pradhan's Building,
N.H. 31-A, Golitar, Singtam,
East Sikkim. (Phone No. 03592-233538, Fax-03592-233537)

SUB: Diversion of 2.5325 Ha of additional forest land, and surrender of 3.6250 Ha of Forest land from already diverted 26.2313 Ha of forest land for 96 MW Rongni Chu HEP by Madhya Bharat Power Corporation in East District of Sikkim for re-alignment in its linear components and few other components on technical ground – (Final Approval).

Dear Sir,

I am directed to convey the Final Approval accorded by the Ministry of Environment & Forests, Government of India vide letter No. 3-SK C 012/2007-SHI/ 3150-51 dated 21/02/2012 (a copy of which is enclosed for ref.) under Section 2 of the Forest (Conservation) Act 1980 for diversion of 2.5325 Ha of additional forest land, and surrender of 3.6250 Ha of Forest land from already diverted 26.2313 Ha of forest land for 96 MW Rongni Chu HEP by Madhya Bharat Power Corporation in East District of Sikkim for re-alignment in its linear components and few other components on technical ground, subject to strict compliance of the conditions stipulated therein, which are as follows:-

- 1. The legal status of the diverted forest land shall remain unchanged.
- Compensatory Afforestation shall be raised over double the area diverted (i.e 5.065 ha.) of degraded forest land identified at Sumin RF, under Singtam, Range in East Division as per the fund deposited by the User Agency.
- 3. Tree felling shall be done only when it is absolutely necessary and unavoidable, and that too under strict supervision of the State Forest Department.
- No damage to the flora and fauna of the surrounding area shall be caused.
- 5. The forest land shall not be used for any purpose other than that specified in the proposal.
- 6. The User Agency shall provide fuel preferably alternate fuel to the labourers working at site to avoid damage /felling of trees.

- 7. The muck generated in the earth cuttings if any will be disposed off at the designated dumping sites and in no case the muck / debris will be allowed to roll down the hill slopes.
- The forest land proposed to be diverted shall under no circumstances be transferred to any other agency, department or person.
- The layout of the plan of the proposal shall not be changed without the prior approval of the Central Government.
- Any other condition as may be found appropriate in future for the betterment of environment & wildlife, may be imposed by APCCF (C) North Eastern Regional Office.
- This approval may be revoke if the above conditions of approval is not complied to the satisfaction of the APCCF (C), North Eastern Regional Office, shillong.

Therefore, your are hereby directed to approach the DFO (T) concerned to take over the possession of the diverted forest land and submit the handing & taking over report without fail.

Yours Sincerely,

(S.B.S. Bhadauria, IFS) APCCF-cum-Nodal Officer (FCA)

Copy to:

1. CF (T), Gangtok

:for information

DFO (T) East, Gangtok.

:for information with a direction to hand over the diverted forest land accordingly.



GOVERNMENT OF SIKKIM

OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FOREST-cum-PRINCIPAL SECRETARY FORESTS, ENVIRONMENT & WILDLIFE MANAGEMENT DEPARTMENT FOREST SECRETARIAT, DEGRALI, GANGTOK 737 102 [PHONE: 281261 (O), 202590 (R) FAX: 03592 - 281778]

No 1482 FECUTE WARDEN

Date: 22/0.5 / 2017

To

Shri P.S. Dutta Gupta,
Director,
Madhya Bharat Power Corporation Ltd.,
D.D. Sharma Building, Daragaon,
Tadong, East Sikkim

Sub: Diversion of 23.3437 Ha. of forest land for "Right of Way" for construction of 220 KV D/C transmission line from Rongni Chu Power Station Switch Yard at Kumrek to 220/132 KV Sub-Station of PGCIL at Mamring (Samardong) in East and South District of Sikkim by Madhya Bharat Power Corporation Limited.

Sir,

I am directed to communicate the Final Approval accorded by the Ministry of Environment & Forests & Climate Change, Government of India, North Eastern Regional Office, Shillong vide Letter No. 3-SK C 104/2013-SHI/376-77 dated 5th May 2017, the final approval of the Central Government is hereby granted under Section 2 of the Forest (Conservation) Act, 1980 for the diversion of 23,3437 Ha, of forest land for "Right of Way" for construction of 220 KV D/C transmission line from Rongni Chu Power Station Switch Yard at Kumrek to 220/132 KV Sub-Station of PGCIL at Mamring (Samardong) in East and South District subject to the following conditions.

- 1) Legal status of the diverted forest land shall remain unchanged.
- 2) The Compensatory Afforestation shall be raised and maintained over double the area diverted in degraded forest land i.e. 47.0 ha as identified at 2 (two) locations each in East & South District (20.0 ha at Sumin (Prechchu) RF & 14.0 ha at Lingzey Khasmal in Singtam Range, East District and 7.0 ha at Jhulangi RF (Samardong) & 6.0 ha at Mangrhing RF at Namthang Range, South District) as per the funds deposited by the User Agency.
- The allowed maximum width of Right of Way shall be 35 mtr on either side of the tower.
- 4) Below each conductor, width clearance of 3 (three) meters shall be permitted for taking tension stringing equipments. However, natural regeneration shall be allowed to come up as soon as the stringing work is completed.
- 5) The minimum clearance of 4.6 meters between conductors and trees shall be maintained. The sag and swing of the conductors are to be kept in view while working out the minimum clearance. Regular trimming need to be carried out so that the trees do not touch the live wire.
- 6) The trees on such strips would have to be felled but after stringing work is completed, natural regeneration will be allowed to come up. Felling/Pollarding/Pruning of trees shall be done with the permission of the local forest officer wherever necessary to maintain the electrical clearance. One outer strip shall be left clear to permit maintenance of the transmission line.

- 7) During construction of transmission line, pollarding / pruning of trees located outside the above width of the strips, whose branches / parts infringe with conductors stringing, shall be permitted to the extent necessary, as may be decided by local forest officer.
- 8) Pruning of trees for taking construction /stringing equipments through existing approach / access routes in forest areas is permitted to the extent necessary, as may be decided by local forest officer, construction of new approach/access route will however require prior approval under the Act.
- 9) To avoid any hazard, felling / cutting / pruning of those trees which because of their height / location may fall on conductors is also permitted, as may be decided by local forest office.
- 10) In the case of transmission lines to be constructed in hilly areas, where adequate clearance is already available, trees will not be cut except those minimum equired to be cut for stringing of conductors.
- The User Agency shall ensure erection of high towers and felling of minimum number of trees.
- The tree felling shall be done only when it is unavoidable under strict supervision of the State Forest Department.
- 13) Tree felling shall be restricted to only 3 meters on either side of the Tr. Line and rest of the trees will be allowed to remain intact except some peripheral pruning.
- 14) The User Agency shall provide retaining walls to avoid huge earth cuttings for fixing the legs of the towers wherever necessary.
- 15) User Agency shall take necessary steps to keep the height of the transmission line such that no wild animal come in accidental contact with live wire.
- 16) Plantation of dwarf species in right of way under the transmission lines wherever feasible may be carried out under project cost in consultation with State Forest Department.
- 17) Regular patrolling of the transmission lines shall be carried out by the user agency to check sag and swing, and contact of the live wire with the trees.
- 18) No labour camps shall be established on the forest land.
- 19) Sufficient alternative fuel (other than fire wood) shall be provided by the user agency to the labourers at their own cost.
- 20) The user agency shall ensure that no damage is caused to the forest and wildlife in the area.
- The forest land shall not be used for any purpose other than that specified in the proposal.
- 22) The User Agency shall render necessary co-operation and logistic support as and when required by the Regional Office for monitoring of the project, etc.
- 23) The User Agency shall obtain the Environmental Clearance under Environment (Protection) Act, 1986, if applicable

- 24) The User Agency will have to obtain the Forest (Conservation) Act, 1980 clearance for removal of stone, river sand, river boulders in forest land, if necessary.
- 25) All other clearances / NOCs under different rules / regulations / local laws and under Forest Dwellers (Recognition of Forest Rights) Act, 2006 as required vide MoEF, New Delhi guideline No. 11-9/98-FC(Pt) dated 05.02.2013 shall be complied with.
- 26) In case of non-compliance of any of the above conditions, the Nodal Officer, Sikkim Forest Deptt, shall suspend the non-forest use of land and submit a report to this office.
- 27) In case of any violation of the stipulated conditions immediate action is to be taken by the Forest Department as per Ministry's leter No. 5-5/86/FC dated 07.12.1999 and this office letter No. 2-1-51/2004/RONE/Vol. 11/3181-02 dated 28.12.2006.
- 28) This approval may be revoked if the above conditions of approval are not complied to the satisfaction of the North Eastern Regional Office, Shillong.
- 29) Any other conditions as may be found appropriate in future for the betterment of environment & wildlife, may be imposed by North Eastern Regional Office.

Therefore, you are requested to take over the possession of the diverted forest land from DFO (T) East Division, Gangtok and DFO (T) South Division, Namchi and submit the handing / taking over report to the undersigned for record. Please ensure the conditions stipulated herein above are complied judiciously.

Yours faithfully,

(B.S. Siktel, IFS)

Conservator of Forest-cum-Nodal Officer Forest (Conservation) Act, 1980

Copy to:

 General Manager, MBPCL, Tadong, Gangtok

: For information

2. Conservator of Forest (T)

For information.

3. DFO (T) East and South

For information with a direction to hand over the diverted forest land in co-ordination with the User Agency and submit the Handing / Taking over

Report as per Guidelines.



GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT & FORENTS
NORTH EASTERN REGIONAL OFFICE
LAW-U-SIB, LUMBATNGEN
SHILLONG-793021
PHONE NO: 0364-2537609
FAX NO: 0364-2536041

EMAIL:moefshil_09@rediffmail.com

delid - 15/5/17.

No.3-SK C 104/2013-SHI/ 276-77

5th May. 2017

To

The Principal Chief Conservator of Forests
-Cum Secretary
Deptt.of Forests, Environment & Wildlife
Govt. of Sikkim, Deorali, Gangtok
Sikkim

Forman content

Sub: Proposal for diversion of 23 3437 ha, of forest land for "Right of Way" for construction of 220 KV Double Circuit Transmission Line from Rongni Chu Power Station Switch Yard at Kumrek to 220/132 KV Sub-Station of PGCIL at Mamring (Samardong) in East and South District of Sikkim by Madhya Bharat Power Corporation Limited.

Sir.

This has got reference to the State Government's letter No. 1482/FCA/FEWMD/1447-51 Dated 19.02.2013 on the subject mentioned above, seeking prior approval of the Central Government in accordance with Section 2 of the FCA, 1980. After careful consideration of the proposal, in-principle approval was granted vide this office letter of even number dated 20.01.2014 subject to fulfillment of certain conditions. The State Government has furnished compliance report in respect of the conditions stipulated in the in-principle approval and has requested the Central Government to grant final approval.

In this connection and on the basis of the compliance report furnished by the State Government vide letter No.1482/FCA/FEWMD/59-62 dated 12.04.1017 and confirmation of Ad-hoc CAMPA dt. 03.05.2017, final approval of the Central Government is hereby granted under Section-2 of the Forest (Conservation) Act, 1980 for diversion 23.3437 ha. of forest land for "Right of Way" for construction of 220 KV Double Circuit Transmission Line from Rongni Chu Power Station Switch Yard at Kumrek to 220/132 KV Sub-Station of PGCIL at Mamring (Samardong) in East and South District of Sikkim by Madhya Bharat Power Corporation Limited, subject to the following conditions:

- (1) Legal status of the diverted forest land shall remain unchanged.
- (2) The Compensatory Afforestation shall be raised and maintained over double the area diverted in degraded forest land i.e. 47.0 ha as identified at 2 (two) locations

- each in East & South District (20.0 ha at Sumin (Prechchu) RF & 14.0 ha at Lingzey Khasmal in Singtam Range. East District and 7.0 ha at Jhulangi RF (Samardong) & 6.0 ha at Mangrhing RF at Namthang Range. South District) as per the funds deposited by the User Agency.
- (3) The allowed maximum width of Right of Way shall be 35 mtr on either side of the tower...
- (4) Below each conductor, width clearance of 3 (three) meters shall be permitted for taking tension stringing equipments. However, natural regeneration shall be allowed to come up as soon as the stringing work is completed.
- (5) The minimum clearance of 4.6 meters between conductors and trees shall be maintained. The sag and swing of the conductors are to be kept in view while working out the minimum clearance. Regular trimming need to be carried out so that the trees do not touch the live wire.
- (6) The trees on such strips would have to be felled but after stringing work is completed, natural regeneration will be allowed to come up Felling/Pollarding/Pruning of trees shall be done with the permission of the local forest officer wherever necessary to maintain the electrical clearance. One outer strip shall be left clear to permit maintenance of the transmission line.
- (7) During construction of transmission line, pollarding / pruning of trees locted outside the above width of the strips, whose branches / parts Infringe with conductors stringing, shall be permitted to the extent necessary, as may be decided by local forest officer.
- (8) Prunning of trees for taking construction /stringing equipments through existing approach / access routes in forest areas is permitted to the extent necessary, as may be decided by local forest officer construction of new approach/access route will however require prior approval under the Act.
- (9) To avoid any hazard, felling / cutting / pruning of those trees which because of their height / location may fall on conductors is also permitted, as may be decided by local forest office.
- (10) In the case of transmission lines to be constructed in hilly areas, where adequate clearance is already available, trees will not be cut except those minimum required to be cut for stringing of conductors.
- (11) The User Agendy shall ensure erection of high towers and felling of minimum number of trees.

- The tree felling shall be done only when it is unavoidable under strict supervision of the State Forest Department
- Tree felling shall be restricted to only 3 meters on either side of the Tr. Line (13)and rest of the trees will be allowed to remain intact except some peripheral
- The User Agency shall provide retaining walls to avoid huge earth cuttings for fixing the legs of the towers wherever necessary.
- (15) User Agency shall take necessary steps to keep the height of the transmission line such that no wild animal come in accidental contact with live wire.
- (16) Plantation of dwarf species in right of way under the transmission lines wherever feasible may be carried out under project cost in consultation with State Forest
- (17) Regular patrolling of the transmission lines shall be carried out by the user agency to check sag and swing, and contact of the live wire with the trees.
- (18) No labour camps shall be established on the forest land.
- (19) Sufficient alternative fuel (other than fire wood) shall be provided by the user agency to the labourers at their own cost.
- (20) The user agency shall ensure that no damage is caused to the forest and wildlife in the area.
- (21) The forest land shall not be used for any purpose other than that specified in the
- (22) The User Agency shall render necessary co-operation and logistic support as and when required by the Regional Office for monitoring of the project, etc.
- (23) The User Agency shall obtain the Environmental Clearance under Environment (Protection) Act, 1986, if applicable.
- (24) The User Agency will have to obtain the Forest (Conservation) Act, 1980 clearance for removal of stone, river sand river boulders in forest land, if necessary.
- (25) All other clearances / NФCs under different rules / regulations / local laws and under Forest Dwellers (Recognition of Forest Rights) Act, 2006 as required vide MoEF. New Delhi guideline No. 11-9/98-FC(Pt) dated 05.02.2013 shall be complied with.
- (26) In case of non-compliance of any of the above conditions the Nodal Officer, Sikkim Forest Deptt, shall suspend the non-forest use of land and submit a report to this office.

- (27) In case of any violation of the stipulated conditions immediate action is to be taken by the Forest Department as per Ministry's letter No. 5-5/86/FC dated 07.12.1999 and this office letter No. 2-1-51/2004/RONE/Vol 11/3181-02 dated 28.12.2006.
- (28) This approval may be revoked if the above conditions of approval is not complied to the satisfaction of the North Eastern Regional Office, Shiffong.
- (29) Any other conditions as may be found appropriate in future for the betterment of environment & wildlife, may be imposed by North Eastern Regional Office

Yours faithfully,

(R. L. Sanga)

I/c Addi. Principal Chief Conservator of Forests (C)

Copy to:

(1) The Conservator of Forests -cum- Nodal Officer , O/o The PCCF,
Department of Forest, Env. & WL Management, Government of Sikkim,
Deorali, Gangtok.

I/c Addl. Principal Chief Conservator of Forests (C)



OFFICE OF THE DIVISIONAL FOREST OFFICER WILDLIFE EAST DIVISION

DEPARTMENT OF FORESTS, ENVIRONMENT AND WILDLIFE MANAGEMENT Forest Secretariat, Deorali, Gangtok-737 102

Ref.No.360/WL/E

Dated:20-12-2019

To

The Director,
Madhya Bharat Power Corporation Limited
D.D Sharma Building (2nd Floor),
Daragaon, Tadong-737102,
East Sikkim, Gangtok.

Sub: Detailed map regarding distance of the Rognichu HEP Project boundary from the Fabonglho Wildlife sanctuary and its Eco-Sensitive Zone (ESZ).

With reference to your letter No. MBPCL/ENV/2019-20/534 dated 22.11.2019, enclosed please find herewith a map dully authenticated by the chief Wildlife Warden, Forest & Env. Deptt, Sikkim, with regards to the distance of the Rognichu HEP Project boundary from the Fambonglho Wildlife Sanctuary and its ESZ.

The nearest boundary point of the project falls 3.79KM outside the Fambonglho Wildlife Sanctuary and its ESZ.



Dechen Lachungpa,
Divisional Forest Officer,
Edstandial Forest Officer,
Wildlife East Division
Wildlife East Division
Wildlife East Division
Wildlife East Division





GOVERNMENT OF SIKKIM OFFICE OF THE DIVISIONAL FOREST OFFICER WILDLIFE EAST DIVISION

DEPARTMENT OF FORESTS & ENVIRONMENT Forest Secretariat, Deorali, Gangtok-737 102

Ref.No.40 /WL/E

Dated: 24. 16. 2020

To

The Director,
Madhya Bharat Power Corporation Limited,
D. D. Sharma's Building (2nd Floor),
Daragaon, Tadong – 737102,
Gangtok, East Sikkim

Sub: Approval of Wildlife Conservation Plan for the Proposed Enhancement of power generation capacity to 115 MW of Rongnichu HEP at East Sikkim being implemented by Madhya Bharat Power Corporation Limited

Ref: 1. TORs granted by MoEF & CC vide letter no. J-12011/14/2019-IA-I(R) dated 16.01.2020

2. Your Letter no. MBPCL/ENV/2019-20/550 dated 27.01.2020

Sir,

In context with the subject cited matter, MoEF & CC, GoI vide TOR letter no. 16.01.2020 has stipulated condition under clause-XXV stating "Conservation plan for the Scheduled-I species in the project study area, if any shall be prepared and submitted to the Competent Authority for approval" for proposed enhancement of power generation capacity from 96 MW to 115 MW of Rongnichu HEP (under implementation) in East Sikkim being implemented by Madhya Bharat Power Corporation Limited (MBPCL).

Accordingly, the wildlife conservation plan for Red Panda and Clouded Leopard was submitted by MBPCL. The wildlife conservation plan includes Cleaning of unwanted weeds and invasive species, Maintaining Log House/Inspection House, Awareness programme among local people etc.

The Budgetory provision for the wild life conservation plan amounting to INR 32,50,000/- (Rupees Thirty Two Lakh Fifty Thousand) only was received from MBPCL vide Demand Draft no. "139923" dated 20.05.2020.

The afforesaid conservation plan has been appraised by this office and the copy of approved plan is attached herewith for your record and further submission at MoEF & CC, GoI, New Delhi.

This has been approved by the comptent authority.

Dechen Lachungpa, Devisional Forest Officer

Wildlife East Division

Wildling, Factor officer



STATE POLLUTION CONTROL BOARD-SIKKIM

DEPARTMENT OF FOREST & ENVIRONMENT GOVERNMENT OF SIKKIM DEORALI - GANGTOK -737102

Ref. No. 948/SPCB

Dated: 2/8./2021

To

The Project Incharge,
M/s. Madhya Bharat Power Corporation Ltd.,
D.D. Sharma Building, 2nd Floor,
Near State Bank of India,
Daragaon, Gangtok,
East Sikkim.

Sub: Consent to Operate under Air (Prevention & Control of Pollution) Act, 1981.

In consideration of your application no. 179541 dated: 19/02/2020, the State Pollution Control Board—Sikkim, hereby grants you Consent to Operate 115 MW Rongni Chu Hydro Electric Power Project, East Sikkim, under the provision of Section 21 of the Air (Prevention & Control of Pollution) Act, 1981, subject to the following conditions:

1. That, this consent to Operate is meant for specific purpose only (115 MW);

2. That, any alteration in the process and the generation capacity (115 MW) shall require the priorapproval of the Board;

 That, you shall have facilities to prevent and control air and noise pollution in the project area as per the conditions specified in Environmental Clearance;

4. That, you shall carry out third party environmental monitoring from a registered NABL accredited and MoEF&CC registered consultants and submit Report to SPCB-Sikkim;

That, no fugitive dust emission should be observed at the project site, water sprinkling arrangement should be made to suppress the emission;

6. That, you shall have your own arrangement for cooking fuels and avoid felling of trees for fuel;

7. That, you shall develop green belt along the periphery of your project area;

8. That, you shall abide by the provisions of the Waste Management Rules, 2016;

That, this consent is valid till 31st March 2022;

10. That, you shall apply for the renewal of consent one month before its expiry;

11. That, you shall abide by all the instructions given by the Board from time to time;

12. Rs.5,00,000/- (Rupees five lakhs) only has been received as consent fee vide Bank receipt no.804937680 & Bank ID nil dated 19/02/2021;

 That, the Board reserves the right to cancel or withdraw the consent in the event of any environmental problems arising out of your project;

> (Dr.Gopal Pradhan) Member Secretary, State Pollution Control Board-Sikkim.

Dr. Gopal Pradhan Member Secretary State Pollution Control Board Forest Env. & W/L Mangt. Depti Govt. of Sikkim, Gangtok





STATE POLLUTION CONTROL BOARD-SIKKIM

DEPARTMENT OF FOREST & ENVIRONMENT GOVERNMENT OF SIKKIM DEORALI - GANGTOK -737102

Ref. No. 947/SPCB

Dated 2/8 /2021

To,

The Project Incharge,
M/s. Madhya Bharat Power Corporation Ltd.,
D.D. Sharma Building, 2nd Floor,
Near State Bank of India,
Daragaon, Gangtok,
East Sikkim.

Sub: Consent to Operate under Water (Prevention & Control of Pollution) Act, 1974.

In consideration of your application no. 179541 dated: 19/02//2020, the State Pollution Control Board – Sikkim, hereby grants you Consent to Operate 115 MW Rongni Chu Hydro Electric Power Project, East Sikkim, under the provision of Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, subject to the following conditions:

- 1. That, this consent to Operate is meant for specific purpose only (115 MW);
- 2. That, any alteration in the process and the generation capacity shall require the prior approval of the Board;
- 3. That, you shall have facilities to prevent and control water pollution in the project area as per the conditions specified in Environmental Clearance;
- 4. That, you shall have facilities to treat the waste water generated by the Hydro Power project before releasing it to theirmediate environment;
- That, you shall carry out third party environmental monitoring from a registered NABL accredited and MoEF&CC registered consultants and submit Report to SPCB-Sikkim on a quarterly basis;
- 6. That, you shall keep a financial assistance of Rs. 200000/- (Rupees Two lakhs) only to SPCB-Sikkim, to carry out environmental monitoring and evaluation of the project which shall be monitored by the SPCB Sikkim;
- That, the data with regard e-flow meter installed as per the order of the Hon'ble NGT order of OA No. 498 of 2015 shall be maintained properly and connected to SPCB-Sikkim server;
- 8. That, you shall release 15% 20% of total flow of water to maintain environmental flow during lean season;
- 9. That, the solid waste from your project area should be collected and dumped/disposed off in authorized waste management facility through recognized channels;
- 10. That, you shall ensure that there will be no dumping of solid waste near/into any aquatic bodies;
- 11. That, you shall submit six monthly monitoring reports to the Ministry/CPCB Regional Office and SPCB-Sikkim;
- 12. That, you shall treat sewage arising out of labour camp in a scientific manner (STP);
- 13. That you shall obtain Authorization for Generation, Collection, Storage & transportation of Hazardous wastes from the Board:
- That, you shall obtain Authorization for Bio Medical Waste generated at you HCFs located at Namli and Mangthang, East Sikkim from the Board;
- 15. That, you shall abide by the provisions of the Waste Management Rules, 2016;
- 16. That, this consent is valid till 31st March 2022
- 17. That, you shall develop green belt along the project area;
- 18. That, you shall apply for the renewal of consent one month before its expiry;
- 19. That, you shall abide by all the instructions given by the Board from time to time;
- Rs.5,00,000/- (Rupees five lakhs) only has been received as consent fee vide Bank receipt no.804937680 & BankID nil dated 19/02/2021;



P.T.O.

21. The consent is valid subject to obtaining other required permission/licenses/clearances wherever required;

22. That, the Board reserves the right to cancel and withdraw the consent in the event of any environmental problems

arising out of your project.

(Dr.Gopal Pradhan)

Member Secretary,

State Pollution Control Board-Sikkim
Dr. Gopal Pradhan
Member Secretary
State Pollution Control Board
Forest Env. & W/L Mangt. Deptt
Govt. of Sikkim, Gangtok



भारत सरकार Government of India केंद्रीय जल आयोग Central Water Commission नींव अभियांत्रिकी एवं विशेष विश्लेषण निदेशालय F. E. & S. A. Directorate 712(द) सेवा भवन रा कृ पुरम नई दिल्ली 110066 712(5), Sewa Bhawan, R.K. Puram, New Delhi-110066 दूरभाष /फैक्स Tel/Fax8 26101017 ई मेल /e-mail: fesadte-cwc@nic.in

No. 2/2/2013 (Vol-I)/FE&SA/ & 10

Dated: 3 - 9 - 2013

To

Dr. B.M. Goswami, Director and CEO, Madhya Bharat Power Corp. Ltd. JMG House, Panchsheel Nagar, Raipur-492 001, Chhatisgarh

Sub: Site Specific Design Earthquake Parameters for Rongnichu HE Project, Sikkim – reg.

Ref: Your office letter no. MBPCL/CWC/Site Specific Study/2013/01 dated 02.01.2013

Sir,

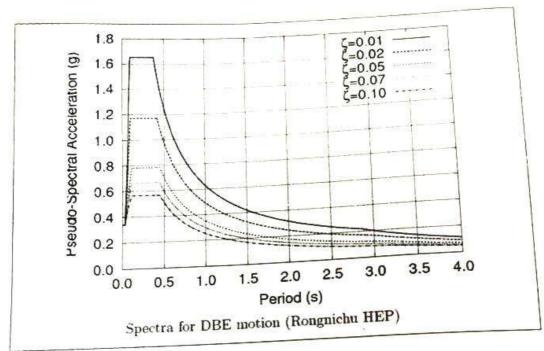
This is with reference to your aforesaid letter vide which the site specific seismic study report of the Rongnichu HE Project, Sikkim was submitted to the National Committee on Seismic Design Parameters (NCSDP).

The NCSDP has approved the aforesaid study report in its 25th meeting held on 28th June and 8th July, 2013, incorporating the revised seismic design parameters as submitted by IIT Roorkee (consultant) vide their letter dated 29.07.2013 (copy of which is also enclosed).

Contd.....

The seismic design parameters of Rongnichu HE Project, Sikkim summarized in the Minutes of the NCSDP meeting are reproduced below:

(a) Response Spectra



(b) Other seismic parameters

Max. Credible	huda.	8.0		entral ince (km)	4	***	Focal (km)	depth		1
Earthquake Magni Horizontal seismic			1	0.21	Vert	ical	seismic (co-efficie	nt (a _v)	/2012-
		orkee Octobe	Repoi r-201	 along 	Q: 20: g with	12- h le	32 [(Proje etter date	ed 29.07	.2013 inc	licating

It is requested to do the needful for the safe design of the Rongnichu HE Project components as per NCSDP's approval.

Encl: as above.

ok

((Dr/B.R.K. Pillai) Director (FE&SA)&

Member-Secy (NCSDP)



GOVERNMENT OF SIKKIM ENERGY AND POWER DEPARTMENT

No. 91 GOS ESP/2004-05/PART-IX/20

Dated 15 | 06 | 20.20

To,

The Director,
Madhya Bharat Power Corporation Limited,
D.D.Sharma Building (2nd floor),
Near State Bank of India,
Dara gaon, Tadong, 737102,
Gangtok.

Sub: Techno- Economic Clearance of Rongnichu HEP.

Ref: Your letter no: MBPCL/F-18/2019-20/5150 DT; 20/01/2020

Dear Sir,

With reference to your above cited letter requesting for TEC, this is to inform you that the DPR submitted for the revised capacity has been examined and found satisfactory. Considering the increase in cost of steel, cement, copper and labour, the Department is please to issue Techno-Economic Clearance for the revised capacity of 115 MW Rongnichu HEP at an estimated cost of INR 1453.34 Crores subject to the following terms and conditions:

- Any increase or decrease in the cost beyond 25% of the revised estimated cost shall be brought to the notice of the Department for approval.
- No major changes should be made in the project layout as depicted in the revised DPR.
 In case any such change is necessitated due to unavoidable circumstances, the approval of the same will be mandatory from the Department.
- 3. The Techno-Economic Clearance is subject to grant of Environment Clearance as well as Forest Clearance by the MOEF, Government of India.
- The terms and conditions as enshrined in the MOU signed between SPDC/Government of Sikkim and M/S Madhya Bharat Power Corporation Limited must be strictly adhered to.
- 5. M/S Madhya Bharat Power Corporation Limited shall allow and co-operate with any Committee formed by the Government of Sikkim for monitoring the project.
- The local culture, customs and tradition in the project area must be protected and promoted.
- 7. List of local employees must be submitted every quarter to Power Department, Government of Sikkim.
- 8. Monthly Physical Progress Report in respect of construction of major structures of the project must be submitted to Power Department, Government of Sikkim.

Thanking you,

Yours Faithfully

PCE-cum-Secretary



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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Air Quality Analysis	AAQ-221221-010	30/12/2021

Issued To:

M/s Madhya Bharat Power Corporation Ltd

Project Name:

Rongnichu Hydroelectric Powerplant (HEP)

SAMPLING & ANALYSIS DATA

Sample Drawn By

: NTL

Date of Sample Received

17/12/2021

Sample Description

Ambient Air

Sampling Location

Barrage Site (Namli)

Sampling Plan & Procedure

SOP-AAQ/08

Analysis Duration

22/12/2021 to 30/12/2021

Average Flow Rate of SPM (m³/min.)

1.12

Average Flow Rate of Gases (lpm)

1.0

Sampling Instrument Used

Respirable Dust Sampler (PM₁₀) Fine Particulate Sampler (PM_{2.5}) With Gaseous Attachment

Weather Condition

Clear

TEST RESULT						
S. No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.	
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	68.20	μg/m³	100.0	
2.	Particulate Matter (PM _{2.5})	IS:5182 Part-XXIV	41.15	μg/m³	60.0	
3.	Sulphur dioxide (SO ₂)	IS:5182 Part-II	8.60	μg/m³	80.0	
4.	Nitrogen dioxide (NO ₂)	IS:5182 Part-VI	14.22	μg/m³	80	

Notes:

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2. Responsibility of the Laboratory is limited to the invoiced amount only.

3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.

4. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

CHECKED BY

AUTHORIZED SIGNATORY

Laboratory: GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

Branch Office:

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E.: noida.laboratory@gmail.com, info@noidalabs.com W.: www. noidalabs.com



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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Air Quality Analysis	AAQ-221221-011	30/12/2021

Issued To:

M/s Madhya Bharat Power Corporation Ltd

Project Name:

Rongnichu Hydroelectric Powerplant (HEP)

SAMPLING & ANALYSIS DATA

Sample Drawn By

NTL

Date of Sample Received

18/12/2021

Sample Description

10,12,2021

Sampling Location

Ambient Air
Adit -II (Sumin)

Sampling Plan &Procedure

SOP-AAQ/08

Analysis Duration

22/12/2021 to 30/12/2021

Average Flow Rate of SPM (m3/min.)

1.14

Average Flow Rate of Gases (lpm)

1.0

Sampling Instrument Used

Respirable Dust Sampler (PM₁₀) Fine Particulate Sampler (PM_{2.5}) With Gaseous Attachment

Weather Condition

Clear

TEST	RESI	IIT
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S. No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	60.15	μg/m ³	100.0
2.	Particulate Matter (PM _{2.5})	IS:5182 Part-XXIV	38.40	μg/m³	60.0
3.	Sulphur dioxide (SO ₂)	IS:5182 Part-II	7.82	$\mu g / m^3$	80.0
4.	Nitrogen dioxide (NO ₂)	IS:5182 Part-VI	12.66	μg/m³	80

Notes:

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Air Quality Analysis	AAQ-221221-012	30/12/2021

Issued To:

M/s Madhya Bharat Power Corporation Ltd

Project Name:

Rongnichu Hydroelectric Powerplant (HEP)

SAMPLING & ANALYSIS DATA

Sample Drawn By

NTL

Date of Sample Received

19/12/2021

Sample Description

Ambient Air

Sampling Location

Powerhouse Site

Sampling Plan & Procedure

SOP-AAQ/08

Analysis Duration

Weather Condition

22/12/2021 to 30/12/2021

Average Flow Rate of SPM (m³/min.) Average Flow Rate of Gases (lpm)

1.10

1.0

Sampling Instrument Used

Respirable Dust Sampler (PM10) Fine Particulate Sampler (PM2.5) With Gaseous Attachment

Clear

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S. No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII ·	57.80	μg/m³	100.0
2.	Particulate Matter (PM _{2.5})	IS:5182 Part-XXIV	36.12	μg/m³	60.0
3.	Sulphur dioxide (SO ₂)	IS:5182 Part-II	6.75	μg/m³	80.0
4.	Nitrogen dioxide (NO ₂)	IS:5182 Part-VI	10.89	μg/m³	80

Notes:

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Noise	AN-221221-013	30/12/2021

Issued To:

M/s Madhya Bharat Power Corporation Ltd

Project Name:

Rongnichu Hydroelectric Powerplant (HEP)

SAMPLING & ANALYSIS DATA

Sample Drawn On

20/12/2021

Sample Drawn By

: NTL

Sample Received On

: 22/12/2021

Sample description

: Ambient Noise

Sampling Location

: Barrage Site (Namli)

			TEST RESULT			
<u>S. No</u>	Test Parameters	Results	Units	Requirement (as per o	CPCB Guideline	s Limits in
1.	EQUIVALENT NOISE LEVEL (6.0 AM TO 10.0 PM)	50.4	dB(A)	Category of Area/ Zone Industrial Area	Day Time	Night Time
2.	EQUIVALENT NOISE LEVEL (19.0 PM TO 6.0 AM)	36.2	dB(A)	Commercial Area Residential Area . Silence Zone	65 55	55 45 40

Notes:

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Noise	AN-221221-014	30/12/2021

Issued To:

M/s Madhya Bharat Power Corporation Ltd

Project Name:

Rongnichu Hydroelectric Powerplant (HEP)

SAMPLING & ANALYSIS DATA

Sample Drawn On

20/12/2021

Sample Drawn By

: NTL

Sample Received On

: 22/12/2021

Sample description Sampling Location

: Ambient Noise : Adit –II (Sumin)

TEST RESULT

S. No	Test Parameters	Results	<u>Units</u>	Requirement (as per 6	CPCB Guideline (A) Leq	s Limits in
	EQUIVALENT NOISE LEVEL			Category of Area/ Zone	Day Time	Night Time
1.	(6.0 AM TO 10.0 PM)	48.5	dB(A)	Industrial Area	75	70
	EQUIVALENT NOISE			Commercial Area	65	55
2.	LEVEL	34.8	dB(A)	Residential Area	55	45
	(10.0 PM TO 6.0 AM)			Silence Zone	50	40

Notes:

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Noise	AN-221221-015	30/12/2021

Issued To:

M/s Madhya Bharat Power Corporation Ltd

Project Name:

Rongnichu Hydroelectric Powerplant (HEP)

SAMPLING & ANALYSIS DATA

Sample Drawn On

20/12/2021

Sample Drawn By

NTL

Sample Received On

: 22/12/2021

Sample description

Ambient Noise

Powerhouse Site

Sampling Location

S. No	Test Parameters	Results	<u>Units</u>	Requirement (as per o	CPCB Guideline (A) Leq	es Limits in
	EQUIVALENT NOISE LEVEL			Category of Area/ Zone	Day Time	Night Time
1.	(6.0 AM TO 10.0 PM)	53.6	dB(A)	Industrial Area	75	70
	EQUIVALENT NOISE			Commercial Area	65	55
2.	LEVEL	40.5	dB(A)	Residential Area	55	45
	(10.0 PM TO 6.0 AM)			Silence Zone	50	40

Notes:

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
ugitive Emission	ST-231221-016	30/12/2021

Issued To:

M/s Madhya Bharat Power Corporation Ltd

Project Name:

Rongnichu Hydroelectric Powerplant (HEP)

SAMPLING & ANALYSIS DATA

Sample Drawn By

NTL

Date of Sampling

18/12/2021

Sample Description

Fugitive Emission

Sampling Plan & Procedure

SOP-AAQ/08

Sampling Location

Barrage Site (Namli)

Analysis Duration

23/12/2021

Sampling Instrument Used

Respirable Dust Sampler (RDS)

Weather Condition

Clear

TEST RESULT					
S. No.	Parameter	Test Method	Results	Units	
1.	Suspended Particulate Matter (SPM)	IS:5182 (Part-4)	280.0	μg /m³	

Notes:

- 1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- 2. Responsibility of the Laboratory is limited to the invoiced amount only.
- 3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
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AUTHORIZED SIGNATORY

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Fugitive Emission	ST-231221-017	30/12/2021

Issued To:

M/s Madhya Bharat Power Corporation Ltd

Project Name:

Rongnichu Hydroelectric Powerplant (HEP)

SAMPLING & ANALYSIS DATA

Sample Drawn By

NTL

Date of Sampling

19/12/2021

Sample Description

Fugitive Emission

Sampling Plan &Procedure

SOP-AAO/08

Sampling Location

Adit- II (Sumin)

Analysis Duration

23/12/2021

Sampling Instrument Used

Respirable Dust Sampler (RDS)

Weather Condition

Clea

TEST RESULT					
S. No.	Parameter	Test Method	Results	Units	
1.	Suspended Particulate Matter (SPM)	IS:5182 (Part-4)	254.0	μg /m ³	

Notes:

- 1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- 2. Responsibility of the Laboratory is limited to the invoiced amount only.
- 3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- 4. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

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AUTHORIZED SIGNATORY

Laboratory: GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

Branch Office:

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TEST CERTIFICATE

Test Report of	Report Code .	Date of Issue
Fugitive Emission	ST-231221-018	30/12/2021

Issued To: M/s Madhya Bharat Power Corporation Ltd
Project Name: Rongnichu Hydroelectric Powerplant (HEP)

SAMPLING & ANALYSIS DATA

Sample Drawn By : NTL

Date of Sampling : 20/12/2021

Sample Description : Fugitive Emission
Sampling Plan & Procedure : SOP-AAQ/08
Sampling Location : Powerhouse Site

Analysis Duration : 23/12/2021

Sampling Instrument Used : Respirable Dust Sampler (RDS)

Weather Condition : Clear

TEST RESULT					
S. No.	Parameter	Test Method	Results	Units	
1.	Suspended Particulate Matter (SPM)	IS:5182 (Part-4)	241.0	$\mu g / m^3$	

Notes:

- 1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- 2. Responsibility of the Laboratory is limited to the invoiced amount only.
- 3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- 4. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

CHECKED BY

AUTHORIZED SIGNATORY

Laboratory: GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

Branch Office:

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Surface Water	SW-221221-019	30/12/2021

Issued To:

M/s Madhya Bharat Power Corporation Ltd

Project Name:

Rongnichu Hydroelectric Powerplant (HEP)

SAMPLING & ANALYSIS DATA

Sample Drawn On

21/12/2021

Sample Drawn By

NTL

Sample Received on

: 22/12/2021

Sample description

Surface Water (Barrage Upstream)

Sample Quantity Weather Condition 2 litre Normal

Analysis Duration

: 22/12/2021 to 30/12/2021

RESULTS				
S.No.	Parameter	Test Method	Results	Units
1.	рН	IS:3025(Part-11)	7.42	
2.	Temperature	IS:3025(Part-9)	18.0	°C
3.	Turbidity	IS:3025(Part-10)	5.2	NTU
4.	Conductivity @25°C	IS:3025(Part-14)	265	μS/cm
5.	Sulphate (SO4)	IS:3025(Part-24)	14.50	mg/l
6.	Nitrate (NO3)	IS:3025(Part-34)	1.80	mg/l
7.	Total Hardness (as CaCO3)	IS:3025(Part-21)	56.0	mg/l
8.	Chloride (as Cl)	IS:3025(Part-32)	38.8	mg/l
9.	COD (as O2)	APHA-5220 B	18.0	mg/l
10.	Iron (as Fe)	IS:3025(Part-53)	0.54	mg/l
11.	Dissolve Oxygen	IS-3025(Part-38)	5.8	mg/l
12.	Total Dissolved Solid	IS:3025(Part-16)	170	mg/l
13.	BOD (3 days at 27°C)	IS:3025 (P-44)	3.2	mg/l
14.	Calcium (as Ca)	IS:3025(Part-40)	14.5	mg/l
15.	Magnesium (as Mg)	IS:3025(Part-46)	4.7	mg/l

Laboratory: GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

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TEST CERTIFICATE

27.	Total Coliform	IS-1622	0.96×10^{3}	MPN/100 m
26.	Faecal Coliform	IS-1622	0.65×10^{3}	MPN/100 m
25	Total Suspended Solid	IS:3025(Part-17)	32.0	mg/l
24.	Oil & Grease	IS:3025(Part-39)	<1.0	mg/l
23.	Total Kjeldhal Nitrogen	IS:3025(Part-34)	12.6	mg/l
22.	Phosphate (as P)	IS:3025(Part-31)	0.212	mg/l
21.	Total Alkalinity (as CaCO ₃)	IS:3025(Part-23)	56.0	mg/l
20.	Sodium (as Na)	IS:3025(Part-45)	18.2	mg/l
19.	Total Chromium (as Cr)	IS:3025(Part-52)	BDL	mg/l
18.	Manganese (as Mn)	IS:3025(Part-59)	BDL	mg/l
17.	Zinc (as Zn)	IS:3025(Part-49)	0.322	mg/l
16.	Bi-Carbonate	IS:3025(Part-51)	121	mg/l

BDL- Below detection limit.

Notes:

- 1. The results given above are related to the tested sample, as received & mentioned Parameters. The customer asked for the above tests only.
- 2. This test report will not be generated again, either wholly or in part, without prior written Permission of the laboratory.
- 3. This test report will not be used for any publicity/legal purpose.
- 4. The test samples will be disposed off after two weeks from the date of issue of test Report, unless until specified by the customer.

Checked by

Authorized Signatory

Laboratory: GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

Branch Office:

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Surface Water	SW-221221-020	30/12/2021

Issued To:

M/s Madhya Bharat Power Corporation Ltd

Project Name:

Rongnichu Hydroelectric Powerplant (HEP)

SAMPLING & ANALYSIS DATA

Sample Drawn On

21/12/2021

Sample Drawn By

NTL

Sample Received on Sample description

22/12/2021

Sample Quantity

: Surface Water (Barrage Downstream) : 2 litre

Weather Condition

: Normal

Analysis Duration

: 22/12/2021 to 30/12/2021

RESULTS				
S.No.	Parameter	Test Method	Results	Units
1.	pH	IS:3025(Part-11)	7.56	condent of care of
2.	Temperature	IS:3025(Part-9)	18.2	°C
3.	Turbidity	IS:3025(Part-10)	5.4	NTU
4.	Conductivity @25°C	IS:3025(Part-14)	268	μS/cm
5.	Sulphate (SO4)	IS:3025(Part-24)	14.60	mg/l
6.	Nitrate (NO3)	IS:3025(Part-34)	1.85	mg/l
7.	Total Hardness (as CaCO3)	IS:3025(Part-21)	60.0	mg/l
8.	Chloride (as Cl)	IS:3025(Part-32)	40.2	mg/l
9.	COD (as O2)	APHA-5220 B	21.0	mg/l
10.	Iron (as Fe)	IS:3025(Part-53)	0.56	mg/l
11.	Dissolve Oxygen	IS-3025(Part-38)	5.4	mg/l
12.	Total Dissolved Solid	IS:3025(Part-16)	172	mg/l
13.	BOD (3 days at 27°C)	IS:3025 (P-44)	3.6	mg/l
14.	Calcium (as Ca)	IS:3025(Part-40)	14.8	mg/l
15.	Magnesium (as Mg)	IS:3025(Part-46)	5.56	mg/l

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16.	Bi-Carbonate	IS:3025(Part-51)	123	mg/l
17.	Zinc (as Zn)	IS:3025(Part-49)	0.326	mg/l
18.	Manganese (as Mn)	IS:3025(Part-59)	BDL	mg/l
19.	Total Chromium (as Cr)	IS:3025(Part-52)	BDL	mg/l
20.	Sodium (as Na)	IS:3025(Part-45)	18.6	mg/l
21.	Total Alkalinity (as CaCO ₃)	IS:3025(Part-23)	57.4	mg/l
22.	Phosphate (as P)	IS:3025(Part-31)	0.215	mg/l
23.	Total Kjeldhal Nitrogen	IS:3025(Part-34)	12.8	mg/l
24.	Oil & Grease	IS:3025(Part-39)	<1.0	mg/l
25	Total Suspended Solid	IS:3025(Part-17)	36.0	mg/l
26.	Faecal Coliform	IS-1622	0.57×10^{3}	MPN/100 ml
27.	Total Coliform	IS-1622	0.92×10^{3}	MPN/100 ml

BDL- Below detection limit.

Notes:

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Surface Water	SW-221221-021	30/12/2021

Issued To: M/s Madhya Bharat Power Corporation Ltd
Project Name: Rongnichu Hydroelectric Powerplant (HEP)

SAMPLING & ANALYSIS DATA

 Sample Drawn On
 : 21/12/2021

 Sample Drawn By
 : NTL

 Sample Received on
 : 22/12/2021

Sample description : Surface Water (Tail Race Channel Upstream)

Sample Quantity : 2 litre
Weather Condition : Normal

Analysis Duration : 22/12/2021 to 30/12/2021

RESULTS				
S.No.	Parameter	Test Method	Results	Units
1.	pH	IS:3025(Part-11:)	7.30	
2.	Temperature	IS:3025(Part-9)	20.0	⁰ C
3.	Turbidity	IS:3025(Part-10)	4.1	NTU
4.	Conductivity @25°C	IS:3025(Part-14)	240	μS/cm
5.	Sulphate (SO4)	IS:3025(Part-24)	10.4	mg/l
6.	Nitrate (NO3)	IS:3025(Part-34)	0.96	mg/l
7.	Total Hardness (as CaCO3)	IS:3025(Part-21)	58.0	mg/l
8.	Chloride (as Cl)	IS:3025(Part-32)	29.5	mg/l
9.	COD (as O2)	APHA-5220 B	16.0	mg/l
10.	Iron (as Fe)	IS:3025(Part-53)	0.21	mg/l
11.	Dissolve Oxygen	IS-3025(Part-38)	6.5	mg/l
12.	Total Dissolved Solid	IS:3025(Part-16)	154	mg/l
13.	BOD (3 days at 27°C)	IS:3025 (P-44)	3.2	mg/l
14.	Calcium (as Ca)	IS:3025(Part-40)	10.5	mg/l
15.	Magnesium (as Mg)	IS:3025(Part-46)	7.68	mg/l

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16.	Bi-Carbonate	IS:3025(Part-51)	106	mg/l
17.	Zinc (as Zn)	IS:3025(Part-49)	0.280	mg/l
18.	Manganese (as Mn)	IS:3025(Part-59)	BDL	mg/l
19.	Total Chromium (as Cr)	IS:3025(Part-52)	BDL	mg/l
20.	Sodium (as Na)	IS:3025(Part-45)	12.2	mg/l
21.	Total Alkalinity (as CaCO ₃)	IS:3025(Part-23)	41.6	mg/l
22.	Phosphate (as P)	IS:3025(Part-31)	0.680	mg/l
23.	Total Kjeldhal Nitrogen	IS:3025(Part-34)	10.5	mg/l
24.	Oil & Grease	IS:3025(Part-39)	<1.0	mg/l
25	Total Suspended Solid	IS:3025(Part-17)	24.0	mg/l
26.	Faecal Coliform	IS-1622	1.02×10^{3}	MPN/100 ml
27.	Total Coliform	IS-1622	1.40×10^{3}	MPN/100 ml

BDL- Below detection limit.

Notes:

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Surface Water	SW-221221-022	30/12/2021

Issued To: M/s Madhya Bharat Power Corporation Ltd
Project Name: Rongnichu Hydroelectric Powerplant (HEP)

SAMPLING & ANALYSIS DATA

Sample Drawn On : 21/12/2021 Sample Drawn By : NTL

Sample Received on : 22/12/2021
Sample description : Surface Water (Tail Race Channel Downstream)

Sample Quantity : 2 litre
Weather Condition : Normal

Analysis Duration : 22/12/2021 to 30/12/2021

RESULTS					
S.No.	Parameter	Test Method	Results	Units	
1.	pH	IS:3025(Part-11)	7.44		
2.	Temperature	IS:3025(Part-9)	20.1	°C	
3.	Turbidity	IS:3025(Part-10)	4.2	NTU	
4.	Conductivity @25°C	IS:3025(Part-14)	255	μS/cm	
5.	Sulphate (SO4)	IS:3025(Part-24)	14.1	mg/l	
6.	Nitrate (NO3)	IS:3025(Part-34)	1.02	mg/l	
7.	Total Hardness (as CaCO3)	IS:3025(Part-21)	64.0	mg/l	
8.	Chloride (as Cl)	IS:3025(Part-32)	32.0	mg/l	
9.	COD (as O2)	APHA-5220 B	19.0	mg/l	
10.	Iron (as Fe)	IS:3025(Part-53)	0.23	mg/l	
11.	Dissolve Oxygen	IS-3025(Part-38)	6.4	mg/l	
12.	Total Dissolved Solid	IS:3025(Part-16)	163	mg/l	
13.	BOD (3 days at 27°C)	IS:3025 (P-44)	3.5	mg/l	
14.	Calcium (as Ca)	IS:3025(Part-40)	12.8	mg/l	
15.	Magnesium (as Mg)	IS:3025(Part-46)	7.77	mg/l	

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16.	Bi-Carbonate	IS:3025(Part-51)	112	mg/l
17.	Zinc (as Zn)	IS:3025(Part-49)	0.294	mg/l
18.	Manganese (as Mn)	IS:3025(Part-59)	BDL	mg/l
19.	Total Chromium (as Cr)	IS:3025(Part-52)	BDL	mg/l
20.	Sodium (as Na)	IS:3025(Part-45)	14.5	mg/l
21.	Total Alkalinity (as CaCO ₃)	IS:3025(Part-23)	48.0	mg/l
22.	Phosphate (as P)	IS:3025(Part-31) .	0.688	mg/l
23.	Total Kjeldhal Nitrogen	IS:3025(Part-34)	11.2	mg/l
24.	Oil & Grease	IS:3025(Part-39)	<1.0	mg/l
25	Total Suspended Solid	IS:3025(Part-17)	28.0	mg/l
26.	Faecal Coliform	IS-1622	0.76×10^{3}	MPN/100 ml
27.	Total Coliform	IS-1622	0.88×10^{3}	MPN/100 ml

BDL- Below detection limit.

Notes:

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
D.G. Noise	N-221221-023	30/12/2021

Issued To:

M/s Madhya Bharat Power Corporation Ltd

Project Name:

Rongnichu Hydroelectric Powerplant (HEP)

SAMPLING & ANALYSIS DATA

Sample Drawn On

18/12/2021

Sample Drawn By

: NTL

Sample Received On

: 22/12/2021

Sample description

: D.G. NOISE – 500 KVA

Sampling Time : 20 min

TEST RESULT						
Location	Noise Level Cum, Leq db(A)	Protocol Followed	Standard*			
A. When D.G. Set was in operation						
1. Open D.G. window						
a. 0.5 m Distance away from the DG set engine b. 1.0 m Distance away from the DG set engine	102.5 101.8	IS:4758/IS:	75 db (A) at 1.0- meter distance			
2. Close D.G. windowa. 0.5 m Distance away from the DG set engineb. 1.0 m Distance away from the DG set engine	72.4 71.6	11446	from close DG			

^{*}EPA-1986, PCLS/02/2010, Factories act [Chapter 104, Section 102(1)] Factories (Noise) Regulation.

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.

2. Responsibility of the Laboratory is limited to the invoiced amount only.

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4. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Noise	N-221221-024	30/12/2021

Issued To:

M/s Madhya Bharat Power Corporation Ltd

Project Name:

Rongnichu Hydroelectric Powerplant (HEP)

SAMPLING & ANALYSIS DATA

Sample Drawn On

18/12/2021

Sample Drawn By

NTL

Sample Received On

: 22/12/2021

Sample description

: Generator Transformer I

Sampling Time

20 min

TEST RESULT						
Location	Noise Level Cum, Leq db(A)	Protocol Followed	Standard*			
B. When T.G. Set was in operation						
2. Open T.G. window						
 a. 0.5 m Distance away from the TG set engine b. 1.0 m Distance away from the TG set engine 2. Close T.G. window a. 0.5 m Distance away from the TG set engine b. 1.0 m Distance away from the TG set engine 	104.2 103.5 71.8 70.5	IS:4758/IS: 11446	75 db (A) at 1.0- meter distance from close TG			

^{*}EPA-1986, PCLS/02/2010, Factories act [Chapter 104, Section 102(1)] Factories (Noise) Regulation.

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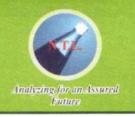
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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Noise	N-221221-025	30/12/2021

Issued To:

M/s Madhya Bharat Power Corporation Ltd

Project Name:

Rongnichu Hydroelectric Powerplant (HEP)

SAMPLING & ANALYSIS DATA

Sample Drawn On

: 19/12/2021

Sample Drawn By

: NTL

Sample Received On

: 22/12/2021

Sample description

: Generator Transformer II

Sampling Time

20 min

TEST RESULT

Location	Noise Level Cum, Leq db(A)	Protocol Followed	Standard*
C. When T.G. Set was in operation			
3. Open T.G. window			
a. 0.5 m Distance away from the TG set engine b. 1.0 m Distance away from the TG set engine	102.0 101.0	IS:4758/IS:	75 db (A) at 1.0- meter distance
2. Close T.G. windowa. 0.5 m Distance away from the TG set engineb. 1.0 m Distance away from the TG set engine	73.1 72.6	11446	from close TG

^{*}EPA-1986, PCLS/02/2010, Factories act [Chapter 104, Section 102(1)] Factories (Noise) Regulation. Notes:

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Water	W-221221-026	30/12/2021

Issued To:

M/s Madhya Bharat Power Corporation Ltd

Project Name:

Rongnichu Hydroelectric Powerplant (HEP)

SAMPLING & ANALYSIS DATA

Sample Drawn on

21/12/2021

Sample Drawn By

Laboratory

Sample Received On

: 22/12/2021 : 2.0 Lt.

Sample Quantity
Analysis Duration

: 22/12/2021 to 30/12/2021

Sample Description

Bore well Water Collected from Near Power House Site

	MICROBIOLOGICAL REQUIREMENT RESULT						
S.No.	Parameter	Test Method	Results	Required as per IS- 10500:2012			
1.	Escherichia coli	IS-15185	Absent	Absent/100ml			
2.	Coliform Bacteria	IS-15185	Absent	Absent/100ml			

ORGANOLEPTIC & PHYSICAL PARAMETERS

S.No.	Parameter	Test Method	Result	Unit	Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source
1.	Colour	IS-3025(P-04)	<1.00	Hazen Unit	5	15
2.	Odour	IS-3025(P-05)	Agreeable	-	Agreeable	Agreeable
3.	Taste	IS-3025(P-07 & 08)	Agreeable	-	Agreeable	74
4.	Turbidity	IS-3025(P-10)	<1.00	NTU	1	5
5.	pH value	IS-3025(P-11)	7.45	-	6.5 - 8.5	
6.	Total dissolve solid (TDS)	IS-3025(P-16)	158	mg/l	500	2000

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GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS

S.No.	Parameter	Test method	Result	Unit	Requirem ent (Acceptab le Limit)	Permissible Limit in absence of alternate source
1.	Aluminium (as Al)	IS: 3025 (P- 55)	< 0.01	mg/l	0.03	0.2
2.	Total Ammonia	IS: 3025 (P- 34)	< 0.10	mg/l	0.5	No Relaxation
3.	Anionic Detergents (as MBAS)	Annex K of IS-13428	<0.10	mg/l	0.2	1.0
4.	Barium (as Ba)	IS: 15302	< 0.10	mg/l	0.7	No Relaxation
5.	Boron (as B)	IS: 3025 (P- 57)	< 0.10	mg/l	0.5	2.4
6.	Calcium (as Ca)	IS: 3025 (P-40)	14.18	mg/l	75	200
7.	Chloramines (as Cl ₂)	IS: 3025 (P- 26)	<1.00	mg/l	4.0	No Relaxation
8.	Chloride (as CI)	IS: 3025 (P- 32)	36.50	mg/l	250	1000
9.	Copper (as Cu)	IS: 3025 (P-42)	< 0.05	mg/l	0.05	1.5
10.	Fluoride (as F)	IS: 3025 (P-60)	0.14	mg/l	1.0	1.5
11.	Free Residual Chlorine	IS: 3025 (P-26)	BDL	mg/l	0.2	1.0
12.	Iron (as Fe)	IS: 3025(P-53)	0.065	mg/l	1.0	No Relaxation
13.	Magnesium (as mg)	IS: 3025 (P-46)	3.03	mg/l	30	100
14.	Manganese (as Mn)	IS: 3025 (P-59)	< 0.10	mg/l	0.1	0.3
15.	Mineral Oil	Clause 6 of IS: 3025	< 0.50	mg/l	0.5	No Relaxation
16.	Nitrate (as NO ₃)	IS: 3025 (P- 34)	1.02	mg/l	45	No Relaxation
17.	Selenium (as Se)	IS: 3025 (P- 56)	< 0.01	mg/l	0.01	No Relaxation
18.	Silver (as Ag)	Annex J IS: 13428	< 0.05	mg/l	0.1	No Relaxation
19.	Sulphate (as SO ₄)	IS: 3025 (P- 24)	6.34	mg/l	200	400
20.	Sulphide (as H ₂ S)	IS-3025 (P-29)	< 0.05	mg/l	0.05	No Relaxation
21.	Alkalinity (as Ca CO ₃)	IS: 3025 (P- 23)	36.0	mg/l	200	600
22.	Total Hardness (as CaCO ₃)	IS: 3025 (P-21)	48.0	mg/l	200	600
23.	Zinc (as Zn)	IS: 3025 (P- 49)	0.112	mg/l	5.0	15
24.	Total Suspended solid (TSS)	IS-3025(P-17)	<1.0	mg/l	1-1	-
25.	Phenolic Compound as (C ₆ H ₅ OH)	IS: 3025 (P- 43)	BDL	mg/l	0.001	0.002

S.No.	Parameter	Test method	Result	Unit	Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source
1.	Cadmium (as Cd)	IS-3025(P-41)	< 0.001	mg/l	0.003	No Relaxation
2.	Cyanide (as CN)	IS-3025(P-27)	< 0.01	mg/l	0.05	No Relaxation
3.	Lead (as Pb)	IS-3025(P-47)	< 0.01	mg/l	0.01	No Relaxation

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4.	·Mercury (as Hg)	IS-3025(P-48)	< 0.001	mg/l	0.001	No Relaxation
5.	Molybdenum (Mo)	IS-3025(P-2)	< 0.05	mg/l	0.07	No Relaxation
6.	Nickel (as Ni)	IS-3025(P-54)	< 0.01	mg/l	0.02	No Relaxation
7.	Total Arsenic (as As)	IS-3025(P-37)	< 0.01	mg/l	0.01	No Relaxation
8.	Total Chromium (as Cr)	IS-3025(P-52)	< 0.05	mg/l	0.05	No Relaxation

BDL: Below Detection limit.

Notes:

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Water	W-221221-027	30/12/2021

Issued To:

M/s Madhya Bharat Power Corporation Ltd

Project Name:

Rongnichu Hydroelectric Powerplant (HEP)

SAMPLING & ANALYSIS DATA

Sample Drawn on

21/12/2021

Sample Drawn By

Laboratory

Sample Received On

: 22/12/2021 : 2.0 Lt.

Sample Quantity
Analysis Duration

22/12/2021 to 30/12/2021

Sample Description

Bore well Water Collected from Near Power House Site (Water Related

Diseases)

	MICROBIOLOGICAL REQUIREMENT RESULT						
S.No.	Parameter	Test Method	Results	Required as per IS- 10500:2012			
1.	Escherichia coli	IS-15185	Absent	Absent/100ml			
2.	Coliform Bacteria	IS-15185	Absent	Absent/100ml			
3.	Fecal Coliform	IS-15185	Absent	Absent/100ml			

Notes:

- 1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- 2. Responsibility of the Laboratory is limited to the invoiced amount only.
- 3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory
- 4. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer

CHECKED BY

AUTHORIZED SIGNATORY

Laboratory: GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

Branch Office:

HARIDWAR | RUDRAPUR | CHANDIGARH | DEHRADUN | PUNE

MADHYA BHARAT POWER CORPORATION LTD.

Project Office: Gouma Devi Pradhan's Building, N. H. 31-A, Golitar, Singtam, East-Sikkim Pin 737134 (Sikkim) Tel: 03592-233538, Fax: 03592-233537

Memo No. 026 /EO-DGM/MBPCL-2012-13

Date: 05.03.2012

HYDRO POWER

The PCCF-cum-Addl. Chief Secretary,

Department of Forests Env. & WI Management,

Forest Secretariat,

Deorali, Gangtok.

Subject: Payment of CAT Plan.

Sir,

Reference letter No.845/LU E/C dated 11^{th} December, 2011, the payment of cost of CAT PLAN could not be made in time due to unavoidable circumstances for which it is highly regretted.

Now, enclosed please find herewith the Cheque No.."904324" dated 3rd March,2012 in favour of Principal Chief Conservator of Forest-cum-Secretary, Dept. of Forest, Env. & WI Management, for Rs.578.26 lakhs (Rupees Five Crores Seventy Lakhs and Twenty Six Thousand) only on a/c of cost of CAT Plan for implementation of different work components in the identified degraded catchment areas covering 2071 Ha as per the approved Environmental Management Plan vide its letter No.J-2911/56/2006-IA-I dated 4rth April,2007. The proposal for approval of revised CAT Plan to the tune of Rs. 1181.80 lakhs (Eleven Crores Eighty One Lakhs and Eighty Thousand) only due to escalation of cost of materials and time to time revised schedule of labour wages of the state Government has been forwarded to the competent project authority for its discussion and consideration for taking appropriate action in time.

Hence, it is requested that kindly acknowledged the receipt of the cheque and obliged.

Yours faithfully,

sd/-

H.P.Pradhan, IFS (Retd.),

Date: 05.03.2012

Memo No. /EO-cum-DGM/MBPCL-2012-13

Copy to:

1. Addl. CCF-cum-Nodal Officer, FCA, DFEWLM for information, for information, please.

2/ CF Land Use & E for information, please.

- 3. Director-cum-CEO, MBPCL, Gouma Devi Pradhan's Bui ding, NH-31-A, Golitar, Singtam, East Sikkim for information, please
- 4. Dy. CFO, MBPCL, Gouma Devi Pradhan's Building, NH 31-A, Golitar, Singtam, East Sikkim for information, pleaSE
- 5. Office Copy

H.P. Pradhan, IFS (Retd.),

EO-cum-DGM.



MADHYA BHARAT POWER CORPORATION LIMITED

Rongnichu Hydro Electric Project - 115MW

AMOUNT RELEASED BY MBPCL TOWARDS CORPORATES SOCIAL RESPONSIBILITY UPTO 31.12.2021

Year	Particulars of contribution	Beneficiary	Committed Amount (in Rs.)	Paid Amount (in Rs)
2010	Sponsorship for Bhanu Jayanti Samaroh at Gangtok	Gangtok	1,00,000	1,00,000
2010	Independence Day Celebration at Rangpo	Rangpo	10,000	10,000
2011	Construction of Monastery at Rumtek	Rumtek	2,00,000	2,00,000
2011	Sponsorship for Sikkim Centenary - Sysco Development & Infrastructure Limited	Gangtok	15,000	15,000
2011	United Sichey Social Organization- Mixed Reality Fashion Contest	Gangtok	4,000	4,000
2011	Celebrating 100 years of establishment at Machong	Machong	18,000	18,000
2011	Construction of Nepali Museum at Aho Yangtham	Aho Yangtham	70,000	70,000
2011	Sponsorship for Football Tournament, Ranipool	Ranipool	10,000	10,000
2011	197th Bhanu Jayanti Samaroh at Gangtok	Gangtok	25,000	25,000
2011	Construction of pandal & decoration during the programme of Hon'ble Chief Minister at Duga	Duga	1,00,000	1,00,000
2011	Independence Day Celebration at Pakyong	Pakyong	30,000	30,000
2011	Independence Day Celebration at Rangpo	Rangpo	25,000	25,000
2011	Independence Day Celebration at Singtam	Singtam	25,000	25,000
2011	Independence Day Celebration at Sumin	Sumin	5,000	5,000
2011	Independence Day Celebration at Duga	Duga	20,000	20,000
2011	Computer Training Programme to local youth	Gangtok	9,000	9,000
2011	Independence Day Celebration at Central Pendam	Central Pendam	25,000	25,000
2011	Computer Training to local youth, Assam Lingchey	Assam Lingchey	7,000	7,00
2011	Renovation of Mandir at Samsing	Duga	18,000	18,00
2011	Carriage charges for pandal & Bamboo during CM visit at Duga	Duga	26,440	26,44
2011	Bishwakarma Puja Celebration at Singtam	Singtam	5,000	5,000
2011	Promotion of Sports (Basket Ball) Gangtok	Gangtok	2,00,000	2,00,00
2011	Singtam Golitar - Durga Puja Committee	Singtam	3,000	3,00
2011	Bordang - Durga Puja Committee	Singtam	3,000	3,000

Page 1 of 6

Year	Particulars of contribution	Beneficiary	Committed Amount (in Rs.)	Paid Amount (in Rs)
2011	Promotion of Sports (Table Tennis)	Gangtok	20,000	20,000
2011	Promotion of Sports (Volleyball)	Gangtok	25,000	25,000
2011	Celebration of Damai Samaj Silver Jubilee at Singtam	Singtam	40,000	40,000
2011	Donation for publishing the Annual School Magazine of Duga for the year 2011	Duga	30,000	30,000
2011	Donation towards Earthquake victims	Chief Minister Relief Fund	1,00,00,000	1,00,00,000
2011	Connecting road for villagers	Duga	1,72,427	1,72,427
2011	Purchase of furniture for Kalyan Samaj at Sumin	Sumin	43,310	43,310
2011	Donation for Shiva Mandir Sumin to perform Shivaratri puja	Sumin	10,000	10,000
2011	Donation for Nepali film promotion	Gangtok	12,000	12,000
2012	Celebrating Cultural Programme for orphans and old age people at Gangtok	Gangtok	6,000	6,000
2012	Celebration of Maghey Mela	Rorathang	1,50,000	1,50,000
2012	Social welfare for youths of Namli village	Namli	20,000	20,000
2012	Construction of Mandir at Takchang	Pakyong	25,000	25,000
2012	Development of super football tournament Gangtok	Gangtok	30,000	30,000
2012	Construction of Bridha Ashram at Lower Samdong	Samdong	13,00,000	13,00,000
2012	Donated Cement and Steel for construction of Shiva Mandir at Linchey	Linchey	82,007	82,007
2012	Social Welfare to Sikkim Police – Renovation of SDPO's Office at Mining	Rangpo	2,11,120	2,11,120
2012	Donation of Household items for Surya Development Sangh, Namli.	Namli	22,468	22,468
2012	Purchase of Furniture Items for Surya Development Sangh, Namli	Namli	10,896	10,896
2012	Construction of Temple at Zitlang	Zitlang	70,355	70,355
2012	Sposorship for anti-Drug abuse musical concert at Rangpo	Rangpo	20,000	20,000
2012	Drinking water supply at Nimtar	Nimtar	3,75,230	3,75,230
2012	i	_	0.00.000	0.00.000
2012	Donation towards Construction of Community Centre at Duga	Duga	8,00,000	8,00,000
		Duga Sumin	12,89,364	8,00,000 12,89,364

31.12.2021 **Committed Paid Amount** Year Particulars of contribution **Beneficiary** Amount (in (in Rs) Rs.) 2012 Donated for Indrakhil Puja, Rangpo 20,000 20,000 Rangpo 2012 Construction of Auditorium At Rangpo 10,00,000 10,00,000 Rangpo Supply poly pipe at Nimtar for Drinking 2012 Nimtar 13,348 13,348 Water 2012 **Promotion of Table Tennis** Gangtok 50,000 50,000 2012 Promotion of Football 10,000 10,000 Gangtok Celebration of Maghey Mela At 25,000 2013 Rorathang 25,000 Rorathang Musical & culture event at Singtam 5,000 5,000 2013 Singtam Bazar by Frozen Band 2013 Promotion of Marathon Race Singtam 5,063 5,063 2013 Provided CGI Sheet for BDO Office, Duga 58,400 Duga 58,400 Mid Day Meal Shed constructed at 2013 Sumin 5,43,153 5,43,153 Sumin GI Pipes Supply at Nimtar for Drinking 2013 91,508 91,508 Nimtar Encouragement to Brilliiant Student for 2013 Sumin 24,800 24,800 Sumin Donated Palstic chairs & visitors chair to Central Pendam 2013 26,105 26,105 Sagarmath Yuva Pratibha Club Contribution for the celebration of 2013 50,000 50,000 Gangtok Tendong Lho Rum Faat Independence Day Celebration at 20,000 2013 Pakyong 20,000 Pakvong Construction/maintenance of Mandir at 2013 Namli 4,13,355 4,13,355 Namli Construction of Water Tank at 2013 Mangthang 1,34,646 1,34,646 Mangthang Furniture and Stationary supply for Samdur 2013 70,000 70,000 Samdur Primary School Construction of Rural Water Supply for 2014 Duga 8,91,800 8,91,800 Kalikhola, West Pendam Maintenance of approach road for BDO 2014 26,040 Duga 26,040 Office, Duga Donation for construction of Hanuman 2014 Patuk 10,00,000 10,00,000 Mandir at Patuk Contribution for celebration of Pang 2014 Ravangla 50.000 50.000 Lhabsol at Ravangla Donation for construction of Durga 2014 Rakdong 9,00,000 9,00,000 Mandir at Sokpay 2015 Celebration of Tendong Lho Rum Faat Mangan 50,000 50,000 2015 Celebration of Independence Day 15,000 15,000 Pakyong 2015 Promotion of Newar Festival Gangtok 30,000 30,000 Donation for purchasing furniture at 2016 Lower Sumin 50,000 50,000 Lower Sumin School

AMOUNT RELEASED BY MBPCL TOWARDS CORPORATES SOCIAL RESPONSIBILITY UPTO

AMOUNT RELEASED BY MBPCL TOWARDS CORPORATES SOCIAL RESPONSIBILITY UPTO 31.12.2021 **Committed Paid Amount** Year Particulars of contribution **Beneficiary** Amount (in (in Rs) Rs.) Donation towards construcion of 1,00,000 2016 protective wall at Panchayat Bhavan, Duga 1,00,000 Duga Donation for Bethal Christan Fellowship 2016 Duga 50,000 50,000 church, Duga Donation for Renovation of Shiva 2016 Sumin 1,24,169 1,24,169 Mandir at Lower Sumin 2016 Celebration of Tendong Lho Rum Faat North District 25,000 25,000 2016 Celebration of Independence Day 15,000 15,000 Pakyong Construction of floor of Badminton 2016 Gangtok 30,000 30,000 Court of VIP Complex, Gangtok Renovation of Sassi Devi Nag Mandir at 2016 Sumin 24,000 24,000 Lower Sumin School Ground Fencing at Rongneck Jr. 2017 Rongneck 3,91,678 3,91,678 High School Construction of OBC community 2017 Central Pendam 12,50,000 12,50,000 traditional house at Bhurung Contribution for Bedminton 2017 Tournament, a national level event at Gangtok 40,000 40.000 Construction of Ten Unit Toilet at Tika Lall Niroula Govt. Sr. Sec School, Central Central Pendam 2017 4,02,515 4,02,515 Pendam Construction of one slab building & development of public ground at Middle 2017 Sumin 11,03,928 6,70,540 Sumin Donation for STNM Hospital for 30,000 30,000 2017 Gangtok Centenary Celebration Construction of Cremation Shed and CC 2017 6,80,485 6,80,485 Rangpo footpath at Mazitar, Rangpo Renovation of School Building and midday meal shed of Govt. Sec. School, 2017 Sumin 1,93,405 1,93,405 Lower Sumin Construction of stage at Govt. Sec. 2017 Duga 3,44,983 3,44,983 School Duga Contribution for Hanuman Jayanti 2017 3,500 3,500 Rangpo Celebration Contribution for Independence Day 2017 40,000 40,000 Rangpo Celebration 2017 Celebration of Independence Day Pakyong 15,000 15,000 2018 Ten Minutes to Earth Programme Singtam 10,000 10,000 Award of MBPCL's Scholorship (since August 2017) for Class-X & XI students 2018 Duga/Singtam 2,40,000 2,40,000 for 24 months Construction of three unit toilet at Govt. 2018 Mangthang 2.76.245 2.75.756 Jr. High School, Sumin Mangthang 2018 Construction of CC footpath at Namli Namli 6,56,121 6,56,121

31.12.2021 **Committed Paid Amount** Year Particulars of contribution **Beneficiary** Amount (in (in Rs) Rs.) Contribution for Durga Puja Celebration 2018 Mazitar 20,000 20,000 at Mazitar Contribution for Duga Residential 2018 1.00.000 1.00.000 Duga Winter Coaching Camp 2018 Construction of CC footpath at Samsing Duga 2,50,000 2,45,321 Construction of waiting shed at 2018 Sangkhola 1,50,000 1,50,728 Sangkhola 2018 Contribution for Rabong Cho-Dzo-fest Rabong 1,00,000 1,00,000 Financial Aid for Arithang Social Welfare 2018 Gangtok 2,00,000 2,00,000 Association - Destitute Home Contribution for Residential Winter 2019 Coaching Camp at Duga Secondary 50,000 50,000 Duga School 40,000 40,000 2019 Celebration of Tendong Lho Rum Faat Kyongsa Contribution to DC/East Account for 2019 DC/EAST 1.00.000 1.00.000 social works Contribution for Pilgrimage tour for 2019 25,000 Kamarey 25,000 Kamarey Villagers Construction of Church at Upper 2019 Namchevbong 3,60,491 3,60,491 Mangthang Renovation SDPO Office at Rangpo 2019 Rangpo 50.000 50.000 Contribution for celebration of 2019 5,000 5,000 Duga Independence day at Duga Contribution for celebration of 2019 50,000 50,000 Rangpo Independence Day at Rangpo Contribution for celebation of 2019 20,000 20,000 Singtam independence day at Singtam 2020 Renovation works of BAC, Duga Duga 3,13,639 3,13,639 Repair of road leading to 2020 Nimtar 3,14,295 3,14,295 Nimtar/Mangthang from NH10 President, Sikkim Archery Association. 2020 Gangtok 1,000,00 1,000,00 Gangtok DC/EAST 2020 Contribution for Covid 19 74,330 74,330 Grant-in-Aid for Sikkim Divyang 2021 Gangtok 10,00,000 10,00,000 Sahayata Samiti Construction of a Stupa (Chorten) at Lower 2021 Sumin 2,00,000 2,00,000 Sumin Concreting of Road leading to Kamarey 2021 2,89,667 2,89,667 Duga Village at Duga Donated 2 nos. of Ambulances to Health & 2021 Family Welfare Department, Govt. of Gangtok 26,00,000 26,00,000 Sikkim Contribution / Donation for carryout fencing work at Government Junior High 2021 Burung 5,86,278.00 School, Burung, East Sikkim

AMOUNT RELEASED BY MBPCL TOWARDS CORPORATES SOCIAL RESPONSIBILITY UPTO

AMOU	AMOUNT RELEASED BY MBPCL TOWARDS CORPORATES SOCIAL RESPONSIBILITY UPTO 31.12.2021							
Year	Particulars of contribution	Beneficiary	Committed Amount (in Rs.)	Paid Amount (in Rs)				
2021	Repair & restoration works at Tikalal Niruala. Govt. Sr. Sec. School, Central Pendam, East Sikkim	Central Pendam	6,10,544.00	-				
2022	Donation for Literary Programme / Talent Promotion for Sikkim Gyan Munch, Duga	Duga	50,000.00	50,000.00				
2022	Contribution cement for construction of Green Park at Topakhani	Singtam	67,200.00	67,200.00				
2022	Guest of SPCB, Sikkim, Hotel Denzong Renaissance Kazi Road, Gangtok	Gangtok	10,000.00	10,000.00				
	Total		3,49,84,308	3,33,49,658				



Hydro Project Planning & Investigation Division Sewa Bhawan, R.K. Puram, Sector-1, New Delhi -110066

E-mail: cea-hppi@gov.in Contact No: 011 – 26732108

Date: 15/12/2021

Standard Operating Procedure for Early Warning System in Hydro Projects

Hydro project situated in upper reaches of Hilly regions are normally more vulnerable to occurrence of Cloud Burst, Flash Flood, GLOF, LLOF, Avalanche, Landslide, Snow Slide/ Rock Slide etc. Therefore, there is need to establish an Early Warning System for Hydro Projects in these Hilly Regions so that loss of lives and property could be minimized in case of occurrence of any disaster.

It is proposed that the following Standard Operating Procedure (SOP) for Early Warning System may be followed by Vulnerable Hydro Projects which are either located generally at an elevation of 1500 m and above or are first in line in the basin:

1. Establishing Equipment, Sensors and Communication System for Early Warning

- i) Strategic locations on the river stream/tributaries in the upstream of the dam/ barrage site be identified where suitable equipment/ sensors with reliable communication systems could be established with a lead time of at least one to two hours. The site should be preferably be located at a bridge and near a straight reach avoiding bends/ confluences/ turbulent locations.
 - For Projects/ Power stations located in cascade, coordination with the upstream Power Station shall be established.
- ii) The instruments deployed at these locations should be able to communicate with control room 24x7 in real-time or near real-time & in fail proof manner. In order to achieve reliability of the communication, Satellite/VSAT/INSAT based communication system may be preferred. Alternately, due to issues of availability of power requirement at remote locations, if any, the other option of communication through GSM, Radio based or any other system could also be explored.
- iii) The vulnerable Hydro Projects, having glacier/snow bound regions in close vicinity (having lead time significantly less than one hour) in the upstream catchment should establish suitable sensors/equipment (e.g. geophones/radar based sensors/infrasonic sensors/seismic sensors etc.), at suitable locations in consultation with DGRE, NGRI-CSIR or any other agency, which should be able to provide early warning in case of occurrence of any geo-hazards such as avalanche, landslides, rock fall, earthquake etc.

Page: 1 of 5

Sewa Bhawan, R.K. Puram, Sector-1, New Delhi -110066 E-mail: cea-hppi@gov.in Contact No: 011 – 26732108

iv) Similarly, round the clock all-weather power supply arrangements for the sensors and communication equipment with sufficient power back-up needs to be ensured at these locations. The system may be provided with main power supply with battery banks of sufficient power backup. In case, main power supply is not available, options of DG sets, Solar Panels, fuel-cells with sufficient power back-up may be explored.

Periodic Maintenance of the above system should be ensured and in case of failure of the system, the same should be rectified at the earliest.

2. Colour Coded Lighting System for warning Purpose

A colour coded warning scheme in the form of Red/ Amber/ Green lighting may be devised based on the perceived risk assessment of the emerging abnormal emergency situation by the control room/ project authorities with Red indicating *Severe Risk* Category and the Green indicating *Least Risk* Category. The broad idea of lighting scheme is as under:

Lighting Colour	Risk Assessment	Action Plan	
Green	No risk	To be prepared	
Amber	Moderate Risk	by Project	
Red	Emergency	Authorities	

The personnel working at project site can be made aware of the impending emergency situation through such colour coded warning. Project Authorities would need to identify vulnerable locations where such lights scheme can be installed such as tunnels, adits, enclosed areas, buildings, or any other identified vulnerable locations at the project.

It would be ensured that during perceived *Severe Risk Situation* depicted by the code Red Light, no plant personnel should be allowed to work at the afore-mentioned vulnerable location(s).

3. State-of-the-Art Modern Control Room

A State-of-the-Art Control Room may be established at Barrage/Dam area where information from the network of equipment and sensors installed in the upstream catchment would be available on real time, 24 X 7 basis.

Detailed features and functions of the Control Room are as under:



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- i) The control room could be SCADA enabled wherever feasible, for effective monitoring of various parameters related to Early Warning. The fully automated information available from the equipment/ sensors in the upstream catchment should be recorded on real-time basis.
- ii) Control Room should be equipped with suitable communication system (like Satellite/VSAT/INSAT based communication system alongwith Satellite phones, hotlines, high speed internet connectivity etc.) with emergency power supply/ DG Back up in case of black out so that it can operate efficiently in case of any emergency.

Till establishment of telemetry, real time manual communication should be arranged. One Cellular Smart Phone with mobile connectivity, VSAT connectivity, one Wi-Fi Connection with adequate Data plan, Search light/Long Beam Torch and PA system shall be provided in the Control Room.

A WhatsApp group shall also be created, the concerned engineers, officers, Project Authorities shall be made member so that the information are made available to all concerned in real time basis.

- iii) Control Room should be able to issue colour coded warning (Red/ Amber/ Green) depending upon the perceived risk assessment.
- iv) Control Room should have proper coordination with downstream projects while releasing water from dam both planned like during peaking operation, reservoir flushing operation etc. as well as unplanned release of water and ensuring blowing of Sirens/Hooters and operation of Beacon lights to give prior warning to the people before release of water from dam.
- v) Capability to disseminate information about the emergency situation at site to Project Management/ Project In-Charge as well as local administration, SDMA, Upstream and Downstream Hydro Projects, Project Head Quarter and Centralized Control Centre (to be established at later date).
- vi) Control Room may also take feedback from other sources like SDMA offices, Weather reports, Forecasts, nowcast on different websites (mosdac.gov.in, ffc-india-water.gov.in, cwc.gov.in, city.imd.gov.in etc.). At later date, coordination/ communication with a Centralized Control Centre is to be established for all Power stations and projects.



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- vii) Depending on analysis of the feedback received from network of instrument/Sensors or from any other source, Control Room should initiate alarm for appropriate action for evacuation of the personnel working at site.
- viii) Control Room should be able to sound alarm (in the form of powerful hooters & sirens) at the touch of the button. Provision of registering any alarm from the field to directly control room could also be provided.
- ix) Control room shall be manned by executives of project authorities on 24x7 basis and electronic recording of activities being monitored shall be ensured. The control Room shall also maintain a Log Register wherein activities being monitored round the clock shall also be physically recorded.
- x) The sequence of actions/ response in case of emergency may suitably be integrated with existing Emergency Action Plan, Crisis & Disaster Management Plan of the Project.
- xi) Contact numbers of project In-Charge, project Control Room, local administration and other relevant agencies should be prominently displayed at suitable locations for early information of any impeding emergency situation, if any, to all concerned authorities in parallel for necessary action.
- xii) All vulnerable Hydro Projects especially those under construction should identify suitable assembly point(s), which are considered to be safe, where all plant personnel working in the field should assemble in case of any emergency situation.

4. Measure to be taken in the Downstream Area

- i) Identification of vulnerable area in downstream of Dam/ power house along the river course which are easily accessible to local people, pilgrims and tourists for taking various safety measures.
- ii) Provisions to be made available to pass information of early warning of any disaster/emergency situation to local population through bulk messaging /bulk voice calling system to their mobile phone.
- iii) Marking danger levels at vulnerable places and setup permanent warning posts (in English, Hindi and local language) along the river course in the downstream areas.

Sewa Bhawan, R.K. Puram, Sector-1, New Delhi -110066 E-mail: cea-hppi@gov.in Contact No: 011 – 26732108

- iv) Fencing and barricading of the identified vulnerable stretches to stop the access of people to the river in downstream areas.
- v) Ensure provisions of alarms/ hooters along the river stretch in the downstream of the project site up to appropriate distance (up to 20 km downstream of the power house site).
- vi) Patrolling of downstream identified vulnerable stretch of river especially during periods of abnormal release of water.

5. Mock Drills & Evacuation Plan

There is need to create awareness of the impending dangers in emergency situations and project specific evacuation. Further, Mock Drills need to be conducted on regular basis (e.g. monthly basis), to evacuate plant personnel in case of emergency situation in minimum time.

- i) During construction stage of the project, the works are in full swing and large man-power is working in the field. In such cases, chances of loss of lives would increase manifold in the event of occurrence of flash floods etc. To avoid and minimize losses during such events, the following is recommended:
 - ➤ Opening of tunnels/ adits should be placed, as far as possible, at reasonably higher levels (considering flood values with suitable return period) so that water/ muck/ debris does not enter these structures in case of flood situations.
 - > During construction stage, openings of adits/ tunnels could be equipped with gates, wherever feasible, which could be closed to avoid water ingress into the tunnels.

भवदीय, Som Vrat Tripathi Dy. Director एच पी पी एंड आई विभाग / HPP&I Division केंद्रीय विद्युत प्राधिकरण / Central Electricity Authority



MADHYA BHARAT POWER CORPORATION LTD.

Project Office: D. D. Sharma's Building (2nd Floor), Near State Bank of India, Daragaon, Tadong - 737102, Gangtok, East Sikkim Tel: 03592 - 231065

Project Office-2: Sawney Khola, Kumrek, Power House, Rangpo Rorathang Road, P.O. Rangpo, East Sikkim, Pin-737132

E-mail: mbpcltech@gmail.com / Web: www.mbpcl.co.in

CIN - U74899DL1994PLC061349 GSTIN: 11AADCM4859K1ZC

PURCHASE ORDER

Order Type -Capital

M/s. Campbell Scientific India Pvt Ltd DPT-218, Plot Number F79-80 DLF Prime Tower, Okhla Industrial Area, Phase- 1, New Delhi -110020, India. Contact Person: Mr. Prakash Pujari Mob. No.8013447874 Email: ppujari@campbellsci.in GST No. 07AAICC1964A1ZZ		P.O.No:MBPCL/Early Warning System /21-22/DIR/00380 Date: 15/02/2022 Currency: INR Delivery Date: -Within 5 weeks from the dated of acceptance of purchase order. PAN: -AADCM4859K GST:- 11AADCM4859K1ZC Division: Rongnichu Hydro Electric Project.			
Mad Seoi	ing Address: Ihya Bharat Power Corporation Limited. neyKhola, Kumrek-737132 cim (E).	Delivery Address: Madhya Bharat Power Corporation Limited Seoney Khola, Kumrek-737132 Sikkim (E). Contact Person: Mr. Krishnendu Chakraborty – AVP (0&M) 8145845012: Mr. Vimal (M-08016097360)			
Sl.	Description	Qty	Unit Price (Rs.)	Amount(Rs.)	
1	Price for Supply, Installation, Testing and Commissioning of Telemetric Early Warning System in the upper catchment area of 113MW Rongnichu HEP for advance intimation of flood forecast as per price break-up and details given in Annexure-1.	1 Set	10,81,668.00	10,81,668.00	
	Total Price (Rs.)			10,81,668.00	

(INR: Ten Lacs Eighty One Thousand Six Hundred Sixty Eight only.)

Commercial Terms & Conditions:

- 1. Price Basic: FOR- Rognichu HEP Site Sikkim.
- Price Escalation: Prices are Firm and final, no escalation of any nature on the prices shall be permitted by during pendency of order.
- Packing & forwarding: Inclusive. Item should be suitably packed for dispatching by road to our site.
- 4. GST: IGST @18% Extra, will be paid after received of materials at site.
- 5. Freight: Inclusive up to our Site.
- Delivery: Supply of items within 5 weeks from the date of acceptance of purchase order.

Page-1 of 5



MADHYA BHARAT POWER CORPORATION LTD

1/2//

- Installation: Civil Works & Cantilever will be provide by MBPCL as per requirement
 / design of M/s. Campbell Scientific India Pvt Ltd. MBPCL will also provide the
 Lodging and Fooding to CSIPL engineer at free of cost.
- 8. Terms of Payments: 50% advance payment of basic amount will be release against Performa Invoice and acceptance of purchase order and balance 50% payment along with GST shall be release after submission of invoice and successful commissioning and handing over the system to MBPCL.
- 9. Product Warranty: Material supplied against this purchase order shall be guaranteed against any manufacturing/quality defect or bad workmanship and satisfactory operation for a period of 12 months from the date of successful commissioning and handing over the system to MBPCL. You will provide manufacturer standard guarantee / warranty certificate along with supply of the materials.
- 10. GST No of Vendor: Vendor has to mention GST No. on their invoice along with PO No. Any penalty/Expenses due to non-mentioning above in invoice/Delivery challan will be on supplier account.
- 11. MSME: As per the requirement of Ministry of Corporate affairs (MCA) Vendor/Suppliers should submit following details if applicable on them:
 - a. Certificate of Registration (Udyog-Aadhar) issued by the Ministry of Micro Small and Medium scale Enterprises to the MSME to ensure that the concerned entity is an MSME.
 - b. Copy of PAN Card of the entity, if covered in MSME.
 - c. If the same is not provided to us within 15 days of accepting work order or purchase order it will be assumed that your organization does not comes under MSME category.
- 12. Dispatch Documents: Following Dispatch Documents are required to be presented at the time shipment:
 - a. Commercial Invoice (Duplicate).
 - b. Packing List (Duplicate).
 - c. Consignee copy of LR/RR.
 - d. Bill of lading.
 - e. Guarantee/Warrantee Certificate.
 - f. Test & inspection certificate by customer/nominated agencies/internal QC report consignee copy of LR.

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Page-2 of 5

MADHYA BHARAT POWER CORPORATION LTD

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- 12 Drawing and Document: The approved design and drawing will be submitted in soft copy and three sets of hard copy.
 - 13.1 Design and Drawing sets if required
 - 13.2 Erection and Operational & Maintenance manual.

13. Resolution Of Disputes:

- A. If any dispute arising under or out of or in connection with or relating to this Contract, including its scope or interpretation of any provision of the Contract cannot be resolved through amicable settlement or conciliation, the same shall be finally settled by a sole arbitrator in accordance with the provisions of the Arbitration and Conciliation Act, 1996. The sole Arbitrator shall be appointed by the and the Contractor. In case of failure of the Parties to reach consensus for appointment of the sole arbitrator within a period of 30 days from the reference by the party, the said sole arbitrator shall be appointed as per provisions of the Arbitration and Conciliation Act 1996. Arbitration proceedings shall be held at Raipur, Chhattisgarh and the language of the arbitration proceedings and that of all documents and communications between the parties shall be English.
- B. The arbitrator shall give reasoned award. The cost and expenses of Arbitration shall be borne in such a manner as determined by the arbitrator. However, the expenses incurred by each party in connection with the preparation, re-presentation, etc. of its proceedings by such party shall be borne by each party itself.
- C. Any award made in any such arbitrator shall be enforceable in any court of competent jurisdiction and save and except as aforesaid the courts at Chhattisgarh shall have exclusive jurisdiction in respect of all matters arising out or relating to the Contract including arbitration.
- D. Notwithstanding any pending reference to arbitration, both Parties shall continue to proceed with execution of their respective commitments under this Contract, until the arbitration award is known, unless the question of such continuance is a subject matter of such proceedings.
- 14. Risk Purchase: In case of delay in supply fully/partially, MBPCL reserves right to cancel the order without any cost to it and arrange the material from alternate sources at your risk and cost.
- 15. Liquidated Damages: If the vendors fail to supply the complete material or any part thereof as per the terms specified in the PO and within the stipulated Time limit as defined in PO or within an extended timeline if any specifically granted by us, the supplier shall pay to the Employer liquidated damages @ 0.5% per week of the Purchase Order Value beyond stipulated period of delivery. The aggregate amount of such liquidated damages shall in no event exceed 5 % of the purchase order price. Once the "Maximum" is reached.

Page-3 of 5

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MADHYA BHARAT POWER CORPORATION LTD

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16. Force-majeure: In the event the work is suspended for reasons beyond the control of either MBPCL or the vendor, the vendor will be allowed extension of time for the said suspended period, but MBPCL will not be responsible for any additional financial Implications. In the event the work is to be abandoned, payment for the work already completed shall be made as per the joint measurement made at site.

Kindly return the duplicate copy of order dully signed & stamped within two days towards acceptance of order.

For Madhya Bharat Power Corporation Limited.

Authorized Signatory

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MADHYA BHARAT POWER CORPORATION LTD.

Project Office: D.D. Sharma's Building (2nd Floor) Near State Bank of India, Duragaon, Tadong, Pin 737102, Gangtok, East Silkkim ● Tel.: 03592-231065

CERTIFIED TRUE COPY OF THE RESOLUTION PASSED BY BOARD OF DIRECTORS OF THE COMPANY IN ITS MEETING HELD ON 1ST OF APRIL, 2021, AT RAIPUR (C.G.) 492001

ADOPTION OF ENVIRONMENTAL POLICY

The Board was informed that the Company has obtained environment clearance for 115 MW Rongni Chu HEP from Ministry of Environment, Forest and Climate Change on February 02,2021. The clearance is subject to compliance of standard environment conditions. One of the conditions is that the Company shall have well laid down environmental policy duly approved by the Board. The policy would cover standard operating procedure to bring into focus any infringement /deviations/violation of environment/forest /wildlife norms.

Accordingly, the draft environment policy was placed before the Board. The Board approved the same after due deliberations and passed following resolution for adoption of the Policy:

RESOLVED THAT the Board hereby adopts the attached Environmental Policy of the Company w.e.f. April 01, 2021. Mr. P. S. Dutta Gupta, Whole Time Director and Mr. M.K. Shome, General Manager (HR, Admin & Liasoning) be and are hereby authorised to ensure implementation and compliance of the Policy.

For, Madhya Bharat Power Corporation Ltd.

Company Secretary

M. No. A18069



MADHYA BHARAT POWER CORPORATION LTD.



Environmental Policy

This document contains:

- I. Purpose
- II. Policy Statement
- III. Applicability
- IV. Principles
- V. Institutional Framework
- VI. Policy
 - Stewardship
 - o Compliance & Assurance
 - o Stakeholder Engagement
 - Capacity Building
- VII. Review



I. <u>Purpose</u>

Madhya Bharat Power Corporation limited (MBPCL) recognizes that protecting the environment is essential for sustainable business.

In the context of Environment Policy, the definition of environment covers all the domains of environment –Physical, Chemical, Biological and Socio- economic aspect.

The intent of this policy is to meet environmental expectations and provide actionable guidance, as MBPCL strives to foster a culture of excellence and challenges itself for continual improvement.

I. PolicyStatement:

"To provide cleaner energy by committing to highestpossible levels of performance in environmental compliance, practices and stewardship."

II. Applicability:

This policy shall apply to all establishments of MBPCL, and each employee shall be made a partner in implementing the policy.

III. Principles:

This policy is based on the following principles:

- Consideration of Environmental factors right from the stage of planning, designand operation of projects to ensure that principles of conservation and sustainability areadheredto.
- **2.** Impact of MBPCL's business on environment can be minimized by adopting best environment management practices and state-of-the-art technology.
- **3.** MBPCL's commitment as a responsible corporate citizen is demonstrated by achieving and setting benchmarks beyond statutory compliances.
- **4.** Innovation by carrying out Research & Developmental activities, coupled withenablersleads tocontinualimprovement.
- **5.** Accepting accountability for all operations and expeditiously respond to any aberration.
- **6.** Continuous monitoring and sharing of environmental indicators with stakeholders ensures MBPCL's commitment towards continual improvement in environmental performance.
- 7. Develop ach employee as environmental steward by improving his awareness levels while soliciting his commitment.



IV. Institutional Framework:

Three tier structure for environmental systems implementation:

- 1. Corporate Level: Functions-Engineering, planning and monitoring
- Regional Level: Functions–Facilitators to stations & Coordination between Stations & Corporate
- 3. Stations: Functions- Execution and reporting

V. Policy:

MBPCL shall achieve these objectives by:

1. Stewardship:

MBPCL shall:

- a. Adopt a pro-active approach, place environmental aspects as one of the prime consideration in decision-making process.
- b. Identify and manage environmental impacts due to business activities, by adopting latest environment management technologies and practices.
- c. Act to manage risks, in the form of capacity building and infrastructure strengthening.
- d. Evaluate performance of environment protection equipment, program and practices, with respect to legal provisions and prepare action plans for concerned functional groups.
- e. Ensure efficient and optimal use of resources such as land, water, fuel, construction material, soils, chemicals etc, especially the non-renewable.
- f. Spear head waste management by reducing, re-using, recycling, recovering and safe disposal.
- g. Adopt more environment friendly and energy-efficient inputs.
- h. Provide innovative technological solutions to environment related issues.



- i. Benchmark parameters to establish and adopt best practices.
- j. Take up environmentally befitting projects in areas of climate change, renewable energy, conservation and responsible consumption of natural resources under Sustainable Development initiatives.
- k. Adopt principles of green procurement by incorporating appropriate provisions in contracts and procurements.
- I. To formulate and adopt separate Policies for Ash, Rehabilitation & Resettlement, Community Development Corporate Social Responsibility and Sustainable Development.

2. Compliance and Assurance:

- a. MBPCL shall continue to comply with all relevant environmental regulations, standards and other codes of practice, by operating and maintaining the assets within bounds of permits, consents, and licenses.
- b. MBPCL shall establish system for reporting environment related parameters, deviations and constraints to management. Environmental risks perceived shall be reviewed through risk management mechanism for appropriate action.
- c. Concerned group shall oversee compliance assurance of operating stations through reviews and appraisals.
- d. All clearances, along with any futuristic requirements shall be accounted for in new establishments and expansions.

3. Stakeholder Engagement:

MBPCL shall continue to identify all stakeholders and engage with them at appropriate levels, to exchange views on environmental concerns and mitigation measures thereof.

4. Capacity Building:

- a. MBPCL shall ensure all employees are made environmentally aware, to enable them to integrate its principles into their activities and decisions.
- b. Environment Management Group shall come up with focused requirements (including skill training and culture building), clearly bringing



out the desired objectives, audience and responsibility.

VI. Review:

This policy shall be reviewed at opportune time, but not later than once in three years.



MADHYA BHARAT POWER CORPORATION LTD.

Project Office: D. D. Sharma's Building (2nd Floor), Near State Bank of India, Daragaon, Tadong - 737102, Gangtok, East Sikkim Tel: 03592 - 231065
Project Office-2: Sawney Khola, Kumrek, Power House,
Rangpo Rorathang Road, P.O. Rangpo, East Sikkim, Pin-737132
E-mail: mbpcltech@gmail.com / Web: www.mbpcl.co.in

CIN - U74899DL1994PLC061349 • GSTIN: 11AADCM4859K1ZC

Ref. No.: MBPCL/F-10/2020-21/623

Date: 13.02.2021

To,

1. The PCCF-cum-ACS,

Forest & Environment Department,
Government of Sikkim, Deorali, Gangtok

2. The PCE-cum-Secretary

Power Department, Government of Sikkim, Kazi Raod, Gangtok.

3. The Member Secretary, State Pollution Control Board.

Forest & Environment Department, Government of Sikkim, Deorali, Gangtok

4. The District Collector,

East District, Government of Sikkim, Gangtok.

5. The MEO,

Rangpo Nagar Panchayat, Rangpo, East Sikkim

Sub.:- Intimation about Environmental Clearance for Rongnichu Hydro Electric Project (115MW) in East Sikkim by M/s Madhya Bharat Power Corporation Limited.

Dear Sir,

We would like to inform your good office that we have been granted Environment Clearance for installation of 115 MW Rongnichu Hydro Electric Project in the East District of Sikkim from Ministry of Environment, Forest & Climate Change, Government of India, New Delhi vide File No. J-12011/14/2019-IA-I (R) dated 02nd February, 2021. A copy of the Environmental Clearance is enclosed at **Annex-I** herewith for your kind information, please.

Further, in compliance to the *condition no. vii at page no. 8 under IX Miscellaneous* of the stated clearance, the notice has been published on 13.02.2021 in two local newspapers (one in Prajashakti-Vernacular & one in Sikkim Express-English language) for public information (copy enclosed at Annex-II).

Thanking you,

Yours faithfully,

For Madhya Bharat Power Corporation Limited

(P. P. Adhikari)

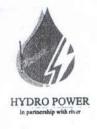
Manager (Environment)

Encl: As Stated

PAN : AADCM4859K € CIN : U74899DL1994PLC061349 ● GSTIN : 22AADCM4859K1Z9 ● www.mbpcl.in

Regd. Office: E-585, Greater Kailash-II, (Ground Floor), New Delhi-110 048, H.O.: 2nd Floor, Vanijya Bhawan, Devendra Nagar Square, Jail Road, Raipur 492001 (C.G.), Tel.: 91 771 2214100, 2214200, Fax: 91 771 2214250

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MADHYA BHARAT POWER CORPORATION LTD.

Project Office: D. D. Sharma's Building (2nd Floor), Near State Bank of India, Daragaon, Tadong - 737102, Gangtok, East Sikkim Tel: 03592 - 231065
Project Office-2: Sawney Khola, Kumrek, Power House, Rangpo Rorathang Road, P.O. Rangpo, East Sikkim, Pin-737132
E-mail: mbpcltech@gmail.com / Web: www.mbpcl.co.in
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State Pollution Control Board,
Forest & Environment Department,
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4. The District Collector,
East District,
Government of Sikkim, Gangtok.

5 The MEO, Rangpo Nagar Panchayat, Rangpo, East Sikkim

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Thanking you,

Yours faithfully,

For Madhya Bharat Power Corporation Limited

(P. P. Adhikari)

Manager (Environment)

Encl: As Stated

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PAN: AADCM4859K ● CIN: U74899DL1994PLC061349 ● GSTIN: 22AADCM4859K1Z9 ● www.mbpcl.in

Regd. Office: E-585, Greater Kailash-II, (Ground Floor), New Delhi-110 048, H.O.: 2nd Floor, Vanijya Bhawan, Devendra Nagar Square,

Jail Road, Raipur 492001 (C.G.), Tel.: 91 771 2214100, 2214200, Fax: 91 771 2214250

PUBLISHED IN THE NEWSPAPER "SIKKIM EXPRESS" DT-13.02.2021

State Council of Science and

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M.L. Srivastava, IFS

Member Secretary,
State Council of Science &
Technology.

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The Director SMIT reserves the right to reject tender in whole or part without assigning any reasons whatsoever.

 Director, SMIT

PUBLIC NOTICE

This is inform to all concerned that the Madhya Bharat Power Corporation Limited (MBPCL) in East Sikkim has been accorded Environmental Clearance for installation of 115 MW Rongnichu Hydroelectric Project from the Ministry of Environment, Forest & Climate Change, Government of India, New Delhi vide File No. J-12011/14/2019-IA-I (R) dated 02nd February, 2021. Copy of the said Environmental Clearance is available with the Sikkim State Pollution Control Board and Ministry of Environment, Forest & Climate Change, Government of India's website http://www.envfor.nic.in.

Madhya Bharat Power Corporation Limited, D.D. Sharma's Building (2nd Floor), Daragaon, Tadong, East Sikkim, Telephone No. 03592-231065



It is hereby informed to all the retailers and registered firms engaged in selling of animal feed and supplement, that the sale of medicine without a valid Drug License issued by Drugs and Cosmetics Cell, Department of Health and Family Welfare, Government of Sikkim is Contravention of section 18(c) of Drugs and Cosmetics Act 1940 and Rules 1945.

Contravention of which can be penalized under section 27(b)ii of Drugs and Cosmetics Act 1940 and Rules there under.

PUBLISHED IN THE NEWSPAPER "HAMRO PRAJASHAKTI" DT-13.02.2021

साथै धारिलो हतियार, लड्डी एव ज्वलनशील पदावहरू बाकर हिङ्गदाख पनि रोक लगाइने छ। एक सय मीटरको दूरीभित्रमा नियम उल्लंघन गर्नेहरूविरूद्ध आवश्यक कानुनी कारवाही गरिनेछ।

सार्वजनिक सूचना

सम्बन्धित सबैलाई यो सूचित गरिन्छ कि पूर्व सिक्किमस्थित मध्य भारत पावर कर्पोरेशन लिमिटेड (एमबीपीसीएल)-लाई 115 मेवा रोडनिचु जलिबद्युत परियोजना स्थापनाको निम्ति पर्यावरण, वन अनि जलवायु परिवर्तन मन्त्रालय, भारत सरकार, नयाँ दिल्लीबाट पत्र संख्या- जे-12011/14/2019-आईए-आई (आर), अङ्कित मिति 2 फरवरी, 2021-मार्फत पर्यावरणीय निरापत्ति पत्र प्राप्त भएको छ। उल्लेखित पर्यावरणीय निरापत्ती पत्रको प्रति सिक्किम राज्यको प्रदूषण नियन्त्रण बोर्ड साथै पर्यावरण, वन अनि जलवायु परिवर्तन मन्त्रालय, भारत सरकारको वेबसाइट http://www.envfor.nic.in. - मा उपलब्ध छ।

मध्य भारत पावर कपीरेशन लिमिटेड

डी.डी. शर्मा बिल्डिङ (दोस्रो तला), डाँडागाउँ, तादोङ पूर्व सिकिम, टेलिफोन न.: 03592-231065

NOTICE

I Dhiraj Kumar Moktan. resident of Babubasa. Pochampasari, Ps. Pradhan Nagar, Dist Darjeeling do hereby soemnly affirm and declare that my sons name is Urgyen Dorjey Moktan mistakenly mentioned Urgyen Dorjey Lama instead of Urgyen Dorjey Moktan in my Sons Birth certificate issued by Siliguri Municipal Corporation being number -20122173782/BC/2018. So I declare that Urgyen Dorjey Lama and Urgyen Dorjey Moktan is the same, single and one identical person Vide affidavit no. 37 AB 457842 before the Notary Public at Siliguri dated 01-02-21.

NOTICE

I ANI GURUNG D/o AMBAR GURUNG resident of LOWER Kalej Valley P.O. dooteriah, P.S. Jorebanglow, District Darjeeling do hereby solemnly affirm and दिए।

भेटघाट अवधि विनय तामाङ र अनित थापाले नयाँ सोच र नयाँ विचार अन्तर्गत चारवटा मुद्दाहरू क्रमैले भारत-भुटान शान्ति एवं मैत्री सन्धि १९४९-को पुनर्मूल्यांकन, भारत-नेपाल शान्ति एवं मैत्री सन्धि १९५०- को पुनर्मूल्यांकन, दार्जीलिङ पहाड़, सिलगढ़ी तराई एवं डुवर्सलाई उत्तर-पूर्वी काउन्सिलमा अन्तर्भुक्त गर्ने

तथा अल इण्डिया गोर्खा एसेम्बलीको स्थापना गर्ने जुन माग उठाएका छन् त्यो मार्ग सठिक रहेकोले विनयपन्थी गोजमुमोलाई आफूहरूले समर्थन गरेको राईले पत्रकारहरू समक्ष बताए। उनले अझ भने, विनयपन्थीमा सामेल हुने अधिकांश कार्यकारिणी सदस्यहरू सहित मोठ पन्ध्रजना सदस्य छन्।

अध्ययन संस्कारलाई पुनर्जागृत...

भएको पुस्तक मेलामा जनसहभागिताको निम्ति प्रचार प्रसार गर्न वकाथन, माउण्टेन बाइकिङ, मोटरबाइक ऱ्याली आधि आयोजना गरिएको पनि लेप्चाले जानकारी गराए।

यसरी नै पुस्तक मेला तथा पुस्तक दान अभियानको उद्देश्य र मेहत्वमाथि प्रकाश पार्दे लोकसभा सांसद इन्द्र हाङ्ग स्ब्बाले मानिसको जीवनमा पुस्तक जस्तो साँचो र इमान्दार मित्र अरु कोही हन नसकने बताए। पुस्तकले कहिल्यै पनि गलत बाटोमा लाँदैन भन्दै एसकेएम विद्यार्थी मोर्चाले गरेको यस पहलले अध्ययन संस्कारमा तत्काल प्रभाव नदेखाए पनि आजको १०-१५ वर्षपछि यसको द्रगामी र दिगो परिणाम देखन सिकने उनले बताए। एसकेएम विद्यार्थी मोर्चाको 'रिड

उद्घाटन कार्यक्रमका मुख्य अतिथि मन्त्री अरुण उप्रेतीले पत्रकारहरूसित क्राकानी गर्दै हालको समय हराउँदै गइरहेको अध्ययन संस्कारलाई पुनर्जागृत गर्न एसकेएम विद्यार्थी प्रकोष्ठको यो पहल अति सराहनीय रहेको बताए। यस प्स्तक मेलामा मानिसहरूले पुस्तक दान पनि गर्न सक्ने बताउँदै यस महान कार्य मार्फत आर्थिक स्थितिको कारण पुस्तक किन्न नसक्नेहरूले पनि ज्ञान आर्जन गर्न सक्ने उनले बताए। एसकेएम पार्टीले केवल राजनीति नगरेर समाजको विभिन्न क्षेत्रमा योगदान दिएर समाजको सर्वाङ्गीन विकास गर्न चाहेको बताउँदै यसै उद्देश्यले यो पस्तक मेला आयोजना गरिएको पनि मन्त्री उप्रेतीले बताए।

उल्लेखनीय छ, आज एमजी मार्गमा उद्घाटन कार्यक्रमको