

BEFORE THE MAHARASHTRA ELECTRICITY REGULATORY

COMMISSION, MUMBAI

CASE NO. 57 OF 2023

IN THE MATTER OF:

PETITION UNDER THE PROVISIONS OF THE ELECTRICITY ACT, 2003 AND MORE PARTICULARLY SECTIONS 61, 62(1)(a) AND 86(1)(e) OF THE ELECTRICITY ACT, 2003 READ WITH REGULATION 9.1 (c) OF MAHARASHTRA ELECTRICITY REGULATORY COMMISSION (TERMS AND CONDITION FOR DETERMINATION OF RENEWABLE ENERGY TARIFF) REGULATIONS, 2019 FRAMED THEREUNDER, SEEKING DETERMINATION OF PROJECT SPECIFIC TARIFF FOR SUPPLY OF POWER FROM THE SMALL HYDRO PROJECT VIZ., MUKANE HYDRO ELECTRIC PROJECT WITH THE INSTALLED CAPACITY OF 1.45 MW (1X 1.45 MW) AND APPROPRIATE DIRECTIONS TO MAHARASHTRA STATE ELECTRICITY DISTRIBUTION COMPANY LIMITED FOR GRANTING PERMISSION TO COMMISSION MUKANE HYDRO ELECTRIC PROJECT OF THE PETITIONER

AND

IN THE MATTER OF:

SECTIONS 61, 62(1)(a) AND 86(1)(e) OF THE ELECTRICITY ACT, 2003 READ WITH REGULATION 9.1(c) OF MAHARASHTRA ELECTRICITY REGULATORY COMMISSION (TERMS AND CONDITION FOR DETERMINATION OF RENEWABLE ENERGY TARIFF) REGULATIONS, 2019.

AND

IN THE MATTER OF:

SHREEHARI ASSOCIATES PRIVATE LIMITED

...Petitioner

VERSUS

MAHARASHTRA STATE ELECTRICITY DISTRIBUTION

COMPANY LIMITED AND ORS.

...Respondents

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Place: Mumbai

Date: September 4, 2023

BEFORE THE MAHARASHTRA ELECTRICITY REGULATORY

COMMISSION, MUMBAI

CASE NO. 57 OF 2023

IN THE MATTER OF:

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IN THE MATTER OF:

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AND

IN THE MATTER OF:

SHREEHARI ASSOCIATES PRIVATE LIMITED

Saisharan, Gut No. 41, Paithan Road,

Golwadi, Aurangabad,

Maharashtra - 431005



Office at:

Plot No. 36, Gut No. 41, Golwadi
Paithan - Waluj Link Road,
Aurangabad - 431005
Email: bothead.sapl@gmail.com

...Petitioner

VERSUS**1. MAHARASHTRA STATE ELECTRICITY
DISTRIBUTION COMPANY LIMITED**

Office of the Chief Engineer - Commercial,
5th Floor, Prakashgad,
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Mumbai - 400051.
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**2. WATER RESOURCES DEPARTMENT,
GOVERNMENT OF MAHARSHTRA**

301 Water Resources Department, Mantralaya,
Mumbai, Maharashtra - 400032.
Email: ceehp.mumbaiwrd@maharashtra.gov.in

3. MAHARASHTRA ENERGY DEVELOPMENT AGENCY

Through its Chairman,
Aundh Road, Opposite to Spicer College,
Near Commissionerate of Animal Husbandary, Aundh,
Pune, Maharashtra - 411007.
Email: meda@mahaurja.com

...Respondents

**AFFIDAVIT ON BEHALF OF THE PETITIONER VIZ; SHREEHARI
ASSOCIATES PRIVATE LIMITED TO THE LETTER DATED JUNE 26, 2023**



SENT BY HON'BLE MAHARASHTRA ELECTRICITY REGULATORY
COMMISSION

I, Kapil Ramakant Hokarne, Son of Shri. Ramakant Hokarne, aged 39 years, the Authorised Signatory of Shreehari Associates Private Limited, having office at Plot No. 36, Gut No. 41, Golwadi Paithan - Waluj Link Road, Aurangabad - 431005, I say that the Petitioner is in receipt of the letter dated June 26, 2023 pertaining to Data Gaps (“**Data Gaps Letter**”) sent by this Hon’ble Commission and with reference to that I state and submit as follows:

1. With respect to contents of paragraph No. 1 of the Data Gaps Letter, I submit that the excel model of tariff working has been annexed as ‘**Annexure - A**’ to the Affidavit.
2. With respect to contents of paragraph No. 2 of the Data Gaps Letter, I submit that the Petitioner i.e., Shreehari Associates Private Limited (“**SAPL**”) was eligible for subsidy under the policies issued by Government of Maharashtra (“**GoM**”) and Government of India (“**GoI**”). However, no grant, subsidy or incentive from either GoM or GoI has been granted till date. The details of the policy and the government resolution has been referred below:
 - I. Policy bearing No. 14(03)2014-SHP dated July 02, 2014 issued by MNRE;
 - II. GR No. NCE-2015/C.R 49/Energy-7 dated July 20, 2015 passed by Industries, Energy and Labour Department, Government of Maharashtra.
3. With respect to the contents of paragraph No. 3 of the Data Gaps Letter, I state and submit that the mode of placing the order was through competitive bidding as mentioned in the policy issued by Respondent No. 2 i.e., Government of Maharashtra, Water Resource Department (“**GOMWRD**”). Details of each work is as follows:



- a) Electromechanical work done by Jyoti Limited having Ref No. S/JAT/300457/58/59-1 and purchase order acceptance dated October 05, 2011;
- b) Line evacuation work done by K J Electro Enterprises Ref No. SAPL/WO-024-KJEE-MUKANE/2014 work order dated May 29, 2014 and Shrinivas Electricals voucher No. 1284 dated March 16, 2015; and
- c) Electromechanical maintenance work done by Aavis infra vide Agreement dated December 05, 2016.

The copies of aforementioned documents have been annexed as ‘**Annexure - B**’ to the Affidavit.

4. With respect to the contents of paragraph No. 4 of the Data Gaps Letter, I say that SAPL made payment towards upfront premium i.e., Rs. 24,45,000/- (Rupees Twenty-Four Lakhs Forty-Five Thousand Only) for the Mukane Hydro Power Project located at Mukane Village, Taluka - Igatpuri, District - Nashik (“**Mukane Project**”) vide cheque bearing No. 919076 dated May 9, 2011 which has been annexed as ‘*Annexure - D*’ at page No. 180 of the Petition and SAPL vide its letter dated September 30, 2011 enclosed cheques for threshold principal and interest amounts for the Mukane Project to the Executive Engineer, Nandur Madhameshwar Project Division which has been annexed as ‘**Annexure - C**’ to the Affidavit. Further, I say that SAPL made complete payment towards threshold premium for an amount of Rs. 79,83,904/- (Rupees Seventy Nine Lakhs Eighty Three Thousand Nine Hundred and Four Only) which was acknowledged by the Executive Engineer, Nandur Madhameshwar Project Division vide its letter dated October 19, 2011 which has been annexed as ‘*Annexure - E*’ at page Nos. 181 to 182 of the Petition.
5. With respect to the contents of paragraph No. 5 of the Data Gaps Letter, SAPL has annexed the work completion report along with the estimates of Respondent No. 1 i.e., Maharashtra State Electricity Distribution Company Limited (“**MSEDCL**”) as ‘*Annexure - H*’ at page Nos. 188 to 196 of the Petition, ‘*Annexure - L*’ at page Nos. 203 to 205 of the Petition, ‘*Annexure - X*’ at page Nos. 297 of the Petition. The Executive Engineer, MSEDCL, Nashik has vide its letter dated November 9, 2017 submitted a joint inspection report & W.C.R. report of SAPL, Mukane Project to the Superintending Engineer, MSEDCL, Nashik which has been annexed as ‘**Annexure - D**’ to the Affidavit.
6. I say that, with respect to the contents of paragraph No. 6 of the Data Gaps Letter, the timeline of the events till the tests of charging units is as follows:



Date	Event
September 15, 2005	GOMWRD vide its policy dated September 15, 2005 (“ 2005 Policy ”) issued various measures for promotion of private sector participation in establishing and commissioning of small hydro power projects (“ SHP ”) with an installed capacity up to 25 MW in the state of Maharashtra and the same intended to encourage both captive power producers (“ CPP ”) and independent power producers (“ IPP ”) of hydro power.
January 23, 2008	The SHP sites were offered for development to CPPs and IPPs through a bidding process and the SHPs proposed for development were installed on a “Build, Operate and Transfer” basis (“ BOT ”). Accordingly, SAPL submitted its proposal vide its letter to GOMWRD for developing the said SHP site in capacity of an IPP.
October 11, 2008	SAPL submitted Techno Economic Feasibility Report (“ TEFR ”) to GOMWRD for seeking permission to develop Mukane Project under the 2005 Policy.
August 12, 2009	GOMWRD approved TEFR submitted by SAPL.
August 21, 2009	Vide letter of allotment (“ LOA ”) issued by GOMWRD, it gave permission to develop Mukane Project with the installed capacity of 1.45 MW subject to fulfillment of certain terms and conditions.
October 11, 2010	Pursuant to LOA, SAPL and GOMWRD entered into a Hydro Power Development Agreement (“ HPDA ”).
May 9, 2011	SAPL made payment towards upfront premium of Rs. 24,45,000/- (Rupees Twenty Four Lakhs Forty Five Thousand Only) bearing cheque bearing No. 919076.
October 19, 2011	GOMWRD acknowledged receipt of threshold premium of Rs. 79,83,904/- (Rupees Seventy Nine Lakhs Eighty Three Thousand Nine Hundred and Four Only).



January 24, 2014	SAPL applied for grid connectivity permission for 33 KV lines with MSEDCL.
February 8, 2014	SAPL conducted spinning test.
February 26, 2014	SAPL provided a technical estimate with respect to evacuation of power from Mukane Project.
March 15, 2014	MSEDCL accepted the proposal for procurement of power.
May 7, 2014	MSEDCL granted administrative approval for evacuation of power of 1.45 MW from the Mukane Project.
May 22, 2014	MSEDCL issued a letter whereby the sanction of total estimated value of Rs. 52,64,395.84/- (Rupees Fifty Two Lakhs Sixty Four Thousand Three Hundred and Ninety Five and Eighty Four Paise Only) was granted to SAPL.
May 28, 2014	SAPL issued a letter to MSECL thereby accepting the terms of sanction.
March 27, 2015	GOWRD sent a letter to the Chief Engineer (Commercial), MSEDCL intimating that SAPL's Mukane Project is complete in all respect since last one year. The erection of E&M equipment in power house, erection of project, switchyard and remission in line from project switchyard to 33 KV substation at Padali is completed by SAPL in all respect. Furthermore, the letter requested MSEDCL to expedite the Energy Purchase Agreement ("EPA") execution process and to ensure early commissioning of the Project.
May 6, 2015	SAPL and MSEDCL entered into EPA thereby agreeing on various terms and conditions for selling the energy generated at Mukane Project to the tune of 1.45 MW.
July 15, 2015	SAPL sent a letter bearing reference number SAPL/Mukane/SHEP/157150 to the Chief Engineer



	Water Resources Department requesting to issue project completion certificate for the purpose of submission to Chief Engineer (Electrical) Hydro projects WRD and Ministry of New Renewable Resources of Energy, New Delhi as well as Maharashtra Energy Development Agency, Pune.
November 27, 2015	SAPL sent a letter to Project Division Nashik requesting them to issue 100% completion certificate for the Mukane Project. Copy of the letter was sent to the Chief Engineer, North Maharashtra Division Nashik, Chief Engineer, Hydroelectric Project Mumbai and Assistant Engineer Grade-1, Mukane Dam Sub Division No. 2, Nashik.
January 5, 2016	Government of Maharashtra, Department of Water Resources issued a letter to the Chief Engineer Water, Resources Department. As per the letter, SAPL had submitted a proposal to the Government to extend the time till November 2016 to execute the Nashik Project.
January 16, 2016	SAPL received a letter from Godavari Marathwada Irrigation Development Corporation intimating that the Government has agreed to the proposal to extend the deadline till November 2016.
November 22, 2016	GOWRD intimated SAPL about the deadline approaching. The officer of GOWRD has included commissioning of Mukane Hydro Electric Project in the target of KRA in 2016-2017.
November 23, 2016	SAPL informed GOWRD that the equipment, configuration and testing has been completed. A request had been made to inspect the installation of electrical equipment and get permission to start the project. The load approval of SAPL and the permission of the



	electricity inspector, the process of commissioning of the Mukane Hydroelectric Project is going on at their level and accordingly the Project will be commissioned by the end of December, 2016.
December 19, 2016	The charging permission for allied equipment's installed at Mukane Project connected to 33/11Kv Padali Sub-station was accorded to SAPL herein by the Ministry of Industry, Energy and Labour, Government of Maharashtra vide its letter.
December 28, 2016	SAPL conducted the mechanical spinning test as per the availability of water.
January 20, 2017	The Executive Engineer, Nashik Rural Division submitted the feasibility report for the power supply at 33 KV level at Mukane Dam to the Superintending Engineer, MSEDCL
January 21, 2017	GOWRD sent out a letter to SAPL inquiring about the progress of the Mukane Project.
February 6, 2017	MSEDCL issued letter to S.E Testing and Quality Assurance, MSEDCL for intimating that the necessary grid connectivity permission to 33 KV Padali sub-station has been obtained from CE Commercial, MSEDCL.
February 9, 2017	SAPL sent out a letter to the Superintending Engineer, Ghatghar (E&M Circle) Thane a copy of which was sent to Chief Engineer (Elect) Hydro Project, WRD, Mumbai. In the letter the monthly progress report for January 2017, and the clearance status sheet were attached. The letter also mentioned the expected date of commissioning as March 2017(subject to grid and water availability) and also highlighted the reasons for delay in commissioning which were not attributable to SAPL.



February 22, 2017	The Superintending Engineer MSEDCL Urban Circle, Nashik communicated to SAPL that the competent authority had given its approval for the sanction of power supply subject to certain conditions. The sanctioned approval was for Auxiliary supply for start-up was 81 KW connected load and 90 KVA contract demand. The sanction was valid for a period of six (6) months and SAPL will have to avail the supply within three (3) months.
March 6, 2017	SAPL sent out a letter to the Chief Engineer, North Maharashtra Division Water Resources Department, Nashik intimating him that the 1) Mechanical Spinning Test of Mukane Project has been completed on December 26, 2016. 2) The final synchronizing load test of Mukane Project will be done only after the availability of water from Nashik Irrigation Department. SAPL had also deposited the security amount of Rs. 3,14,289/- (Rupees Three Lakhs Two Hundred and Eighty Nine Only) vide a demand draft payable to State Bank of Hyderabad (Aurangabad branch) for auxiliary load sanction 90 KVA.
April 3, 2017	The Superintending Engineer, (I/C) Nashik Urban Circle, MSEDCL had sent out a letter to SAPL intimating them about the Grid connectivity for Mukane Project. The map approval for the project had expired on March 19, 2017 and also the validity for charging permission given by the Electrical Inspector's Office, Aurangabad for 33 KV line from Small Hydro Project was finished on November 13, 2016. Therefore, SAPL has to apply for the revised permission.
April 20, 2017	The provisional charging permission issued by Ministry of Industry, Energy and Labour Department,



	Government of Maharashtra was renewed for a period of six (6) months by the Office of Superintending Engineer, Government of Maharashtra under Regulation 43 of the Central Electricity Authority Regulations, 2010 and under the authority conferred by Section 162 of the Electricity Act, 2003 (“EA, 2003”) wherein, the Petitioner had to carry out all regulatory compliances including but not limited to obtaining consumer number, failing which the said provisional permission would lapse.
May 26, 2017	Office of Superintending Engineer, Testing Circle, Konkan Region, MSEDCL granted No Objection Certificate (“NOC”) for commissioning of metering arrangement for release of fresh auxiliary supply load (90 KVA) and evacuation of power from 1.45 MW Hydro Power Project at 33 KV voltage level and the same was granted subject to certain conditions.
June 13, 2017	Post facto approval of start up power was sought by the Superintending Engineer (Nashik Circle), MSEDCL from the Chief Engineer (Commercial), MSEDCL.
July 26, 2017	Superintending Engineer, Urban Circle, Nashik, MSEDCL gave justification to the Superintending Engineer (Commercial - I), MSEDCL for sanctioning of 90 KVA start up power on 33 KV level for SHP (1.45 MW) of the Petitioner and also requested the Superintending Engineer (Commercial - I), MSEDCL to accord post facto approval for this sanctioned estimate considering the urgency of work.
August 11, 2017.	Superintending Engineer, Urban Circle, Nashik, MSEDCL intimated the Executive Engineer, Nasik Rural Division, MSEDCL to submit sub-station load details template along with complete proposal to head office of



	MSEDCL for completion of process, however the same was not submitted within a timely manner.
August 18, 2017	The Office of Executive Engineer, Urban Testing Division, MSEDCL requested the Superintending Engineer, Urban Circle, Nashik, MSEDCL to retest the CT/PTs for main, check and substation end metering cubicles for SHP (1.45 MW) at Mukane village which was developed by the Petitioner as the testing of the same was done one and half year back and further, directed the Petitioner to complete the wiring of breaker and panel which was pending at the MSEDCL substation end before the charging of the line can be conducted.
August 21, 2017	The Petitioner had carried out all necessary requirements as intimated by MSEDCL including but not limited to obtaining Electrical Inspector's charging permission for supply of fresh auxiliary load of 90 KVA with an intention of expediting the process of commissioning of Mukane Project and charging 33 KV lines within the stipulated time period of six (6) months from the date of issuance of provisional charging permission dated April 20, 2017. In lieu of that the Petitioner requested MSEDCL to conduct final joint inspection of Mukane Project, however, MSEDCL did not consider the request made by the Petitioner in a timely manner.
October 16, 2017	The Superintending Engineer (Commercial - I) informed SAPL that the competent authority had accorded approval for sanction of load of start up power of 145 KVA contract demand & 81 KW connected load on 33 KV level subject to certain terms and conditions. The approval was valid for upto six (6) months.
November 9, 2017	The Superintending Engineer, MSEDCL, Nashik intimated the Petitioner that certain discrepancies were



	<p>observed regarding the retesting of CT/PTs for main, check and substation end metering cubicles for SHP (1.45 MW) at Mukane village as the testing of the same was done one and half year back and it also directed the Petitioner to complete the wiring of breaker and panel which was pending at the MSEDCL substation end before the charging of the line can be conducted and it further directed the Petitioner to observe the terms and conditions mentioned in the letter dated October 16, 2017 before the proposal sent by the Petitioner for grid connectivity would be considered for further procedure after the compliance of the above factors was complied with by the Petitioner.</p>
February 20, 2018	<p>SAPL intimated the Superintending Engineer, Aurangabad that they were unable to execute the Mukane Project electric set layout due to some technical reasons under the given period of six (6) months and therefore, requested the Superintending Engineer, Aurangabad to grant its approval for re-commissioning the Mukane Project electric set layout.</p>
March 14, 2018	<p>After testing of CT and PT installed at Mukane Project site, the Superintending Engineer, Nashik Urban Circle, MSEDCL intimated the Chief Engineer (Power Purchase), MSEDCL that Mukane Project is at the final stage of operation and requested approvals for grid synchronization.</p>
March 26, 2018	<p>SAPL requested Chief Engineer, MSEDCL to issue grid synchronisation permission for Mukane Project before March 31, 2018.</p>
April 11, 2018	<p>The Chief Engineer (Power Purchase), MSEDCL granted provisional PTC to Mukane Project and it also duly approved synchronisation of the new hydro turbines</p>



	<p>at Mukane Project site. The said commissioning approval was granted only for a period of thirty (30) days within which the Petitioner was directed to fulfill all the terms and conditions mentioned in the letter. Moreover, in the said PTC, one condition pertaining to providing visibility of real time generation data to State Loan Dispatch Centre (“SLDC”) through RTU-DC and V-SAT was imposed for the first time since the commencement of Mukane Project.</p>
April 19, 2018	<p>PTC approved by Chief Engineer (Power Purchase), MSEDCL along with terms and conditions mentioned therein was communicated by the Superintending Engineer, Nashik Urban Circle, MSEDCL to the Petitioner.</p>
April 22, 2018	<p>The Petitioner started obtaining necessary approvals for visibility of real time generation data from SLDC through RTU-DC and V-SAT. However, due to the imposition of the condition of providing visibility of real time generation data through RTU-DC and V-SAT was imposed for the first time, the Petitioner made necessary attempts to obtain approvals for complying with the said condition, however, it could not provide real time generation data in a short period of thirty (30) days from the date of grant of PTC. Thus, the same resulted into lapse of PTC granted vide letter dated April 11, 2018 by MSEDCL.</p>
May 3, 2018	<p>The Petitioner addressed a letter to the Superintending Engineer, Nashik, MSEDCL informing them about the RTU-DC and V-SAT installation is in final stage of line charging and the Petitioner also guaranteed that the installation and visibility of real time generation data at SLDC through RTU DC and V-SAT will be activated</p>



	before the final commissioning of the Mukane Project and also requested Superintending Engineer, Nashik, MSEDCL to charge the 33 KV line.
May 16, 2018 and May 19, 2018	The Ministry of Industry, Energy and Labour, Government of Maharashtra issued subsequent provisional charging permission with respect to Mukane Project along with ancillary equipments and provisional charging permission with respect to the 33 KV lines connected to Mukane Project and 33/11 KV sub-station.
May 28, 2018	MSEDCL granted approval to the Petitioner for charging 33 KV lines emanating from Mukane Project up to Padali sub-station subject to certain terms and conditions.
June, 2018	The lines emanating from Mukane Project were charged in the presence of the officers of MSEDCL on June, 2018.
April 18, 2019	As one of the conditions stipulated in the letter dated May 28, 2018 was pertaining to providing visibility of real time generation data from SLDC through RTU-DC and V-SAT, since it was imposed for the first time upon the Petitioner, the final process of obtaining final charging permissions got delayed on account of obtaining necessary approvals and therefore, the final charging permissions could not be submitted by the Petitioner and the commissioning of the Mukane Project got delayed. So, MSEDCL sent a letter to the Petitioner for complying with the aforesaid condition for expediting the process of commissioning of the Mukane Project. It is also pertinent to note that the condition pertaining to visibility of real time generation data from SLDC through RTU-DC and V-SAT was subsequently waived of by MSEDCL in the year 2020.



October 1, 2019	After charging of 33 KV lines in June, 2018, SAPL duly carried out all the conditions including providing visibility of real time generation data to SLDC through RTU-DC and V-SAT. After being satisfied by all due compliances by SAPL herein, Ministry of Industry, Energy and Labour, Government of Maharashtra, granted final charging permission with respect to Mukane Project with allied equipments.
October 7, 2019	At the time of issuance of the charging permission given vide letter dated October 01, 2019, K. J Electro Enterprises, Nashik was discharging its functions in capacity as the electrical contractor with respect to Mukane Project from the year 2014 till October, 2019. The Petitioner subsequently appointed UGL Marketing, Nashik - Mr. Girish Devidas Brahme as an electrical contractor for discharging its duties towards Mukane Project and the same was duly brought to the record and notice of MSEDCL by the Petitioner.
October 22, 2019	As the appointment of new electrical contractor viz; UGL Marketing, Nashik - Mr. Girish Devidas Brahme by the Petitioner did not satisfy the terms and conditions of the provisional and final charging permission given by the Office of the Electrical Inspector, it was directed by MSEDCL to the Petitioner to intimate the relevant nodal authorities about the change of electrical contractor and to obtain revised provisional / final charging permission for the Mukane Project and also to obtain / submit all statutory clearances, if any required by the WRD. Moreover, MSEDCL also made it mandatory for the Petitioner vide its earlier letters dated May 28, 2018 and April 18, 2019 to provide visibility of real time generation data to SLDC through RTU-DC and V-SAT.



November 30, 2019	The Petitioner submitted a letter stating that they are complying with all the points raised by MSEDCL vide its letter dated October 22, 2019 with the Petitioner's new electrical contractor and therefore, sought two (2) months time for complying with the same and further, stated that the 33 KV line from Padali S/S is in healthy condition and that the Petitioner had taken trail for supply continuity but since the last three (3) to four (4) months because of the rainy season the Petitioner could not charge the line and that the supply was disconnected from Padali S/S for safety and therefore, requested the Superintending Engineer, MSEDCL to allow the Petitioner to charge the Mukane Project 33 KV Line.
December 10, 2019	Approval for extension was granted by MSEDCL to comply with all the discrepancies communicated vide their letter dated October 22, 2019.
January 24, 2020	Ministry of Industry, Energy and Labour, Government of Maharashtra granted a charging permission to the Petitioner with respect to 33 KV lines erected at Mukane Project and connected to 33/11 KV sub-station and the appointment of electrical contractor, Mr. Girish Devidas Brahme as electrical contract was mentioned.
February 12, 2020	The Petitioner vide its letter informed the Assistant Engineer, Nashik, MSEDCL that Mukane Project is in the final stage of commissioning and that trial and testing including voltage built-up, mechanical rolling, charging of transformers, charging of all HT 33 KV and LT 3.3 KV panels and synchronising of 3.3 KV generator with MSEDCL grid with all precautions and protections are in process. Therefore, the Petitioner requested MSEDCL to make available or restore the 33 KV supply line in the event if there is any tripping from the 33 / 11 KV Padali



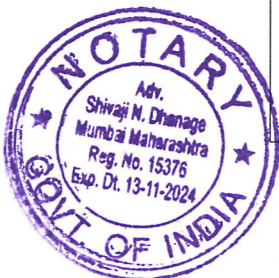
	substation and once the commissioning, trial testing work is finished the Petitioner will inform MSEDCL about the readiness of the Mukane Project.
September 15, 2021	As the mechanical inspection of the Mukane Project was completed in December 2016, the project was not operational which resulted in loss of power generation and the Government did not receive any revenue from the same therefore, the Accountant General, Mumbai registered an objection in this regard. Hence, the GOMWRD directed the Petitioner to submit the planned program of project implementation.
September 20, 2021	The Petitioner cited and highlighted that the delay for implementing the Project was cause due to various administrative reasons along with the delayed approvals granted by MSEDCL.
December 10, 2021	GOMWRD sent a letter intimating that the water will be available in the month of December 2021 for pre-trial commissioning of Mukane Project and further directed SAPL to complete all the formalities before the said period of time and submit implementation report to GOMWRD.
December 28, 2021	SAPL submitted the implementation report of Mukane Project before GOMWRD and it acknowledged that Mukane Project was at the final stage of commissioning and all required installations and tests have been successfully conducted for pre and final commissioning of the Mukane Project.
January 27, 2022	The Petitioner informed MSEDCL that Mukane Project is at the final stage of commissioning and all the required tests including voltage built up, charging of transformers, charging of all HT 33 KV & LT 3.3 KV panels and all



	<p>control panels are in process. The Petitioner also informed MSEDCL that all the testing procedures will be completed by January, 2022 and all the synchronising activities of Mukane Project will be completed in first week of February, 2022 because the first rotation of Mukane dam was scheduled during the said point of time. It is also pertinent to mention herein that the said letter was issued in compliance of Clause 6 of Schedule IV of the EPA executed between the Petitioner and MSEDCL, by virtue of which before the synchronization of the Project or before the date / start-up of turbine, the seller viz., the Petitioner was obligated to inform purchaser / MSEDCL by way of a prior notice. Thus, it was apposite to submit herein that the Petitioner had duly intimated the entire development process qua Mukane Project to MSEDCL and that the same was within the knowledge of MSEDCL. Further, as no objection or notice in response to the letter was issued to the Petitioner, the same meant deemed acceptance of the said notice by MSEDCL.</p>
	<p>The release of water from Mukane dam was scheduled from February 03, 2022 till February 10, 2022. After all the technical aspects were confirmed, Mukane Project was connected to the grid on February 11, 2022 and the power generation was started and was injected into the grid of MSEDCL till February 16, 2022 i.e., for six (6) days on the trial basis in order to ascertain the position that Mukane Project is ready to be commissioned and also generate power for the purpose of supplying electricity to MSEDCL.</p>



February 25, 2022 and March 03, 2022	SAPL duly informed Executive Engineer, Nandur Madhmeshwar Project Division, GOMWRD and MSEDCL respectively that Mukane Project is fully operational and the same may be treated to be commissioned from February 11, 2022.
March 03, 2022	<p>GOMWRD directed SAPL to furnish a commissioning certificate issued by MSEDCL in order to confirm full operation of Mukane Project.</p> <p>GOMWRD acknowledged and treated Mukane Project to be commissioned in the year 2022 and reflected the name of Mukane Project on its official web-site under the category of commissioned projects.</p>
March 07, 2022	SAPL requested MSEDCL to issue a PTC with respect to Mukane Project in order to submit the same before the nodal authorities of GOMWRD and for starting the operation of Mukane Project.
March 28, 2022	Instead of issuing the commissioning certificate, MSEDCL vide letter dated re-agitated the issue of appointment of new electrical contractor by SAPL which was issued without taking into consideration the fact that a revised charging permission dated January 24, 2020 with respect to 33KV lines has already been issued to SAPL after considering the appointment of new electrical contractor i.e., Mr. Girish Devidas Brahme.
April 26, 2022	Taking into account letter dated March 28, 2022, SAPL briefed MSEDCL about the change of electrical contractor since Mr. Girish Devidas Brahme's license was valid upto February 22, 2022. SAPL had informed about the appointment of Malhar Electrical, Nashik – Mr. Avinash Suresh Ugale, license of which was valid up to February 15, 2024.



<p>April 25, 2022 and May 18, 2022</p>	<p>MSEDCL intimated to the Petitioner that since no formal permission was obtained by the Petitioner before commissioning the Mukane Project on February 11, 2022, MSEDCL cannot treat the said project to be commissioned. Further, MSEDCL also stated that the project specific tariff of Mukane Project was to be determined as per the tariff regulations and the tariff agreed by way of the EPA dated May 06, 2015 cannot be considered because the Mukane Project was not commissioned in the year 2015. It pertinent to note that the said letters were issued to the Petitioner in complete ignorance of Clause 6 of Schedule IV of the EPA by virtue of which Petitioner duly informed MSEDCL before commissioning / start-up of the turbines.</p>
<p>June 06, 2022 and June 29, 2022</p>	<p>Meanwhile GOMWRD kept on issuing letters to the Petitioner for producing the commissioning certificate issued by MSEDCL. However, the Petitioner could not produce the same on account of objections raised by MSEDCL vide its letter dated May 18, 2022.</p>
<p>July 04, 2022</p>	<p>The Petitioner informed GOMWRD that MSEDCL was not issuing PTC to the Petitioner on account of non-determination of project specific tariff of Mukane Project and that the Petitioner shall submit the PTC and commissioning certificate as soon as the same was issued by MSEDCL.</p>
<p>July 23, 2022</p>	<p>The Petitioner issued a detailed letter to MSEDCL, pointing out that all the work related to pre-commission testing, trial synchronising and testing after synchronising by continuously running the hydro power plant for more than one hundred and three (103) hours and generating and supplying 1,07,940 units to MSEDCL from February 11, 2022 till February 16, 2022. Further,</p>



	the Petitioner also suggested to adopt ad hoc tariff of Rs. 4.50/- (calculated as per average of last 10 years of MERC preferential tariff for SHPs) for the interregnum period till the tariff is determined by this Hon'ble Commission.
October 20, 2022	Subsequently, MSEDCL issued a letter to SAPL, wherein, MSEDCL agreed for issuing PTC to SAPL by waiving all the objections raised by MSEDCL except for the condition of determination of project specific tariff for the Mukane Project and subject to SAPL furnishing an undertaking of the effect that the power supplied from Mukane Project to MSEDCL shall be treated as lapsed and SAPL shall not be entitled for any claim for the said energy.
January 10, 2023	The Petitioner sent a letter to MSEDCL with a prayer of determining ad-hoc tariff until determination of project specific tariff by this Hon'ble Commission, in order to enable the Petitioner to generate power during the rotation of water from Mukane dam which was scheduled in the first week of January, 2023. However, MSEDCL failed and neglected to reply to the said letter thereby leading waste of one more opportunity for the Petitioner to generate power during water rotation.
March 29, 2023	Thereafter, which the present Petition was filed by SAPL for seeking determination of project specific tariff for supply of power from a SHP project namely Mukane Hydro Power Project and for seeking directions against MSEDCL for granting PTC to SAPL's Mukane Project on an urgent basis and during the pendency of the present Petition.



Further, I submit on behalf of SAPL that till the year 2015, 90% of the work related to development and commissioning of the evacuation infrastructure of Mukane Project was completed and as per the terms of HDPA, SAPL was under an obligation to start the operation of Mukane Project within a period of twenty-four (24) months from the date of issuance of letter of authorization by GOMWRD. GOMWRD vide its letter dated January 5, 2016 and letter dated January 16, 2016 granted extension towards commissioning of Mukane Project till November 2016. Copies of letters dated January 5, 2016 and January 16, 2016 have been annexed as 'Annexure - O' at page Nos. 261 to 264 of the Petition.

7. With respect to the contents of paragraph No. 7 of the Data Gaps Letter, I say that as per the Daily Order dated May 8, 2023, the Hon'ble Commission was pleased to permit interim arrangement of procuring power by MSEDCL at an ad-hoc tariff of Rs. 3.85 (Rupees Three and Eighty Five Paise Only) kWh per unit till final disposal of the main matter and accordingly directed MSEDCL to issue PTC. MSEDCL had issued PTC on July 4, 2023. The events that transpired after the interim Order are as follows:
- a) SAPL sent a letter on May 10, 2023 addressed to Chief Engineer (Renewable Energy) MSEDCL, Chief Engineer (Commercial) MSEDCL and Superintending Engineer, MSEDCL requesting issue of PTC for 1.45 MW Mukane Hydro Power Project in lieu of the Interim Order passed by the Hon'ble Commission.
 - b) SAPL sent an email on May 20, 2023 and May 25, 2023 requesting MSEDCL to issue PTC as the water rotation at Mukane had already commenced on May 10, 2023.
 - c) MSEDCL vide its email dated May 25, 2023 directed SAPL to submit the valid Electrical Inspection charging permission mentioning the list of



equipment and its ratings. Pursuant to which SAPL approached the Chief Electrical Inspector to certify the same.

- d) SAPL vide email dated June 5, 2023 to MSEDCL, submitted the inspection report issued by the Electrical Inspector vide its letter dated June 5, 2023 bearing reference No. EIN/TECH/2022-23/758. The inspection report has categorically stated that the inspection of SAPL's Mukane Hydro Electric Project has been done and the general condition of the Mukane Hydro Electric Project is in order as per the relevant provisions of the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010. The relevant portion of the letter dated June 5, 2023 is reproduced below for your ready reference:

“Whereas the inspection of your electrical installation was done by the undersigned on 29.05.2023 and the general condition of the electrical apparatus are found to be in order as per the relevant provisions of the CEA (Measures relating to Safety and Electric Supply) Regulation, 2010 (as amended till date).”

- e) MSEDCL vide email dated June 7, 2023 directed SAPL to submit the Electrical Inspector's charging permission along with the list of equipment and its ratings.
- f) On June 8, 2023 SAPL held discussions with Mrs. Kavita Gharat, Chief Engineer (Renewable), and Mr. Amit Bute, Executive Engineer (Renewable) requesting MSEDCL to immediately issue PTC for their Mukane Hydro Power Project and purchase hydro power generated on the ad-hoc tariff of Rs. 3.85/- (Rupees Three and Eighty Five Paise Only) kWh per unit, as the availability of water head is reducing at the Mukane Dam.



- g) SAPL vide email dated June 9, 2023 with reference to the MSEDCL's email dated June 7, 2023 as well as to the discussions held on June 8, 2023 requested MSEDCL to grant PTC at the earliest.
- h) SAPL once again sent a reminder email dated June 14, 2023 to MSEDCL to issue PTC for the Mukane Project.
- i) SAPL vide its email dated June 17, 2023 again requested MSEDCL to issue PTC on an urgent basis as the final water rotation for the season had started for the Mukane Dam and more than twenty three (23) days had elapsed since the first water rotation was completed. Due to non-grant of PTC, SAPL suffered huge losses for which MSEDCL shall be held liable for a period from May 11, 2023 to June 2, 2023.
- j) Legal Notice dated June 20, 2023 was sent from the Advocates of SAPL, once again calling upon MSEDCL to forth with issue PTC and comply with the interim Order of the Hon'ble Commission.
- k) Office of Chief Engineer (Renewable Energy), MSEDCL vide letter dated June 23, 2023 sent to Superintending Engineer, MSEDCL accorded its approval for issuing PTC to SAPL subject to certain conditions. SAPL requested Superintending Engineer, MSEDCL vide its letter dated June 26, 2023, to depute an office representative on the project site for completing the commissioning of the Mukane project. SAPL vide its email dated June 27, 2023 again requested Superintending Engineer, MSEDCL to issue permission on urgent basis for commissioning the project before June 29, 2023 as the water rotation of the Mukane Dam would be stopped on June 29, 2023 and once again requested MSEDCL to depute its office representative on the project site.



- l) Legal Notice dated June 28, 2023 was once again sent from the Advocates of SAPL to the Superintending Engineer, MSEDCL for issuing PTC and to procure power at an ad-hoc rate of Rs. 3.85/- (Rupees Three and Paise Eighty Five Only) kWh per unit till final determination of tariff.
- m) Superintending Engineer, MSEDCL vide letter dated July 4, 2023 bearing reference No. SE/NSKC/T/Mukane/2022-23/No. 3703 stating that a joint inspection was carried out by the Superintending Engineer, Nashik circle with Executive Engineer Testing and Executive Engineer Nashik Rural Division on July 4, 2023. As per the inspection, MSEDCL requested SAPL to arrange synchronization and commissioning of Small Hydro Project (1.45 MW) for power evacuation on 33 kV Bay at Padali substation. The following was requested to be provided:
- To observe the remaining formalities and commission and synchronize power evacuation after testing the installation by testing division and submit the MOM report immediately to MSEDCL.
 - To check existing main / check / additional check meter, all meters of Elster (A1800) make Non-DLMS protocol should be replaced within a month for further billing process.
- n) As per the Minutes of Meeting dated July 12, 2023 the Mukane Project was synchronized and commissioned successfully on July 12, 2023 at 5:30 pm. The recording of the generation panel was recorded and same was conducted before the representatives of Additional Executive Engineer, Nashik Division, Deputy Executive Engineer, Nashik Testing Division and Project Manager of SAPL.
- o) SAPL vide its letter dated July 13, 2023 addressed to the Superintending Engineer, MSEDCL, Nashik stating that Mukane Dam was successfully



commissioned and generated energy which was injected into 33 KV grid in the presence of MSEDCL officials from Nashik Rural Division and Nashik Testing Division. SHP was successfully commissioned on July 12, 2023 and will be in service continuously as per water availability from Nashik Irrigation Division. Moreover, SAPL also requested the Superintending Engineer, MSEDCL, Nashik to issue a “commencement certificate” on a priority basis.

The copies of letters and emails have been annexed as ‘**Annexure - E**’ to the Affidavit.

8. I say that, with respect to the contents of the paragraph No. 8 of the Data Gaps Letter, the basis of rate of interest considered for Interest During Construction (“**IDC**”) is as per SBI Marginal Cost of Lending Rate (“**MCLR**”) i.e., 9% as per Regulations 16.2 read with 31 of the Maharashtra Electricity Regulatory Commission (Terms and Condition for Determination of Renewable Energy Tariff) Regulations, 2019.
9. I say that, with respect to the contents of paragraph No. 9 of the Data Gaps Letter such change in substation was carried out as Padali substation was much more convenient. The distance from Mukane Hydro project to Padali substation was 2.5 Km. The Superintending Engineer, MSEDCL vide its letter dated January 3, 2014 bearing reference No. SE/NSK/R/Tech/VIII/0060 also intimated to the Chief Engineer, MSEDCL about the change in substation from Wadivarhe substation to Padali substation. A copy of the letter dated January 3, 2014 has been annexed as ‘**Annexure - F**’ to the Affidavit.
10. With respect to paragraph No. 10 of the Data Gaps Letter, I state and submit that the detailed certified CA statement of costs incurred towards capital cost of the Mukane Project has been annexed as ‘**Annexure - G**’ to the Affidavit.



Solemnly affirmed at Mumbai on this 4th day of September, 2023
that the contents of the above affidavit are true to my knowledge, no part of it
is false and nothing material has been concealed therefrom.

For Shreehari Associates Private Limited



Authorised Signatory



Date: September 4, 2023

Place: Mumbai

Identified before me

For Eternity Legal



Authorised Signatory



VERIFICATION

I, Kapil Ramakant Hokarne, son of Sh. Ramakant Hokarne, aged 39 years, the Authorized Signatory of Shreehari Associates Private Limited having office at Plot No. 36, Gut No. 41, Golwadi, Paithan - Waluj Link Road, Aurangabad - 431005, Maharashtra, India, do hereby verify that that the contents of the above affidavit are true to my knowledge, no part of it is false and nothing material has been concealed therefrom.

Date: September 4, 2023

Place: Mumbai

For Shreehari Associates Private Limited



Kapil
Petitioner



BEFORE ME

Dhanage

Adv. Shivaji N. Dhanage
Notary Govt Of India
Regd. No. 15376 MUMBAI (MS)
404-405, 4th Floor, Davar House,
197/199, Near Central Camera Bldg.
D.N. Road, Fort, Mumbai 400001



NOTED & REGISTERED

Page No. 48 Sr. No. 329

Date 04 SEP 2023



1 x1450 kW Mukane Hydroelectric Project

Assumption Parameters (as per MERC Regulation Annexure-1A)							
1	Details of the project						
a	Name of the project				Unit	Mukane	
b	State where the project is situated				State	Maharashtra	
a	Installed capacity of the project				KW	1,450	
2	Generation and sale of energy						
						2021-31	2031-41
a	Annual generation from the project				Lacs Unit	32.60	32.60
b	Capacity Utilisation factor				Percent	25.67%	25.67%
c	Auxiliary consumption				Percent	1.0%	1.0%
d	Annual generation after losses				Lacs Unit	32.27	32.27
e	Selling rate to MSEDCL considered				Rs./Unit	10.33	4.44
f	Escalation in the selling rate				Rs./ Unit/Year	0.00	
g	Electricity duty				Percent	NIL	
3	Operation and maintenance						
a	O & M Charges-Inclu. of administrative expenses, spares, consumables & Insurance				Lakh/Yr	54.29	Point-34
b	Escalation in the O & M expenses				Per year	2.63%	
c	Royalty on water	Escalation	5%		Rs/Unit	0.05	
d	Land lease charges	Escalation	5%		Rs/KW/Yr	1.00	
e	Maintenance of penstock	Escalation	5%		Rs/KW	0.05	
4	Long term loan						
a	The interest rate				Percent	9.00%	
b	Less: rebate for timely repayment				Percent	0.00%	
c	Net interest rate					9.00%	
5	Interest rate on working capital loans						
					Percent	8.50%	
6	MNES subsidy						
				Rs. In lacs		0.00	
	CER Sale						
						0.00	
7	Depreciation						
a	Life of plant assumed for working of depreciation				Year	35	
8	Financial Parameters						
a	Debt equity ratio	Debt	70%	Equity	30%		
b	Equity				Rs. Lacs	452.45	
c	Long Term loan				Rs. Lacs	1,055.71	
d	Total cost				Rs. Lacs	1,508.16	
e	Cost Per MW				Rs. Lacs	1,040.11	
f	Income tax holiday				Years	-	
g	MAT	18.50%	Surcharge	12.00%	E. Cess 4%	Percent	21.55%
h	Income tax rate after 11th year	25%	Surcharge	12.00%	E. Cess 4%	Percent	29.12%
9	Return on Equity						
						14.00%	
10	Results Financial Parameters						
a	IRR				Percent	14.95	17.57
b	Project payback period				Years	6.72	6.72
c	Debt Service Coverage Ratio	DSCR				1.70	
d	Levillised cost of generation						
					Rs per Unit	7.69	

Table 2: Balance Sheet																					
Figures in Rs. Lac																					
Sr. No.	Particulars	Year																			
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
ASSETS																					
1	Cost capitalised (Gross Block)	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16
2	Less: depreciation	87.93	170.73	248.70	322.12	391.27	456.38	517.70	575.45	629.82	681.03	729.25	774.66	811.04	847.37	883.64	919.86	956.02	992.13	1028.18	1064.19
3	Net block	1,420.23	1,337.43	1,259.46	1,186.04	1,116.89	1,051.77	990.46	932.71	878.34	827.13	778.91	733.50	687.12	640.79	594.52	548.30	502.14	456.03	409.98	363.97
4	working Capital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Preliminary expenses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Other Current Assets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Investment and Cash	(5.64)	(7.42)	(5.32)	0.69	10.63	24.52	42.36	64.15	89.91	119.63	153.30	171.52	281.15	387.86	491.78	593.00	691.60	787.64	881.16	972.20
8	Total assets	1,414.59	1,330.01	1,254.14	1,186.73	1,127.52	1,076.29	1,032.81	996.87	968.25	946.76	932.21	905.02	1,008.27	1,108.65	1,206.30	1,301.30	1,393.74	1,483.67	1,571.14	1,656.17
LIABILITIES																					
1	Equity	452.45	452.45	452.45	452.45	452.45	452.45	452.45	452.45	452.45	452.45	452.45	452.45	452.45	452.45	452.45	452.45	452.45	452.45	452.45	452.45
2	MNES Subsidy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Reserves	(5.59)	(2.20)	9.91	30.47	59.24	95.99	140.49	192.51	251.87	318.36	391.78	452.57	555.82	656.20	753.85	848.85	941.29	1,031.22	1,118.69	1,203.72
4	Term loan	967.74	879.76	791.78	703.81	615.83	527.86	439.88	351.90	263.93	175.95	87.98	-	-	-	-	-	-	-	-	-
5	Working capital loan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Total liabilities	1,414.59	1,330.01	1,254.14	1,186.73	1,127.52	1,076.29	1,032.81	996.87	968.25	946.76	932.21	905.02	1,008.27	1,108.65	1,206.30	1,301.30	1,393.74	1,483.67	1,571.14	1,656.17
Table 3: Profit and Loss Statement																					
Figures in Rs. Lac																					
Sr. No.	Particulars	Year																			
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
1 INCOME																					
1.1	Saleable units Lacs KWh	32.27	32.27	32.27	32.27	32.27	32.27	32.27	32.27	32.27	32.27	32.27	32.27	32.27	32.27	32.27	32.27	32.27	32.27	32.27	32.27
1.2	Sale rate Rs. Per Unit	10.33	10.33	10.33	10.33	10.33	10.33	10.33	10.33	10.33	10.33	10.33	10.33	10.33	10.33	10.33	10.33	10.33	10.33	10.33	10.33
1.3	Electricity Sale Income	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35
1.4	Reinvestment Income	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5	Income from CER sale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.6	Total Income	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35
2 OPERATING EXPENDITURE																					
2.1	O & M expenses	54.29	55.72	57.19	58.69	60.23	61.82	63.44	65.11	66.83	68.58	70.39	72.24	74.14	76.09	78.09	80.14	82.25	84.41	86.63	88.91
2.2	Royalty on water	1.61	1.69	1.78	1.87	1.96	2.06	2.16	2.27	2.38	2.50	2.63	2.76	2.90	3.04	3.19	3.35	3.52	3.70	3.88	4.08
2.3	Land lease charges	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04
2.4	Maintenance of penstock & intake	1.61	1.69	1.78	1.87	1.96	2.06	2.16	2.27	2.38	2.50	2.63	2.76	2.90	3.04	3.19	3.35	3.52	3.70	3.88	4.08
2.5	Operating Expenses	57.59	59.18	60.82	62.50	64.24	66.02	67.86	69.74	71.69	73.69	75.75	77.87	80.05	82.29	84.61	86.99	89.44	91.96	94.56	97.23
3	PBDIT	275.76	274.17	272.53	270.85	269.11	267.33	265.49	263.60	261.66	259.66	257.60	255.48	253.30	251.05	248.74	246.36	243.91	241.39	238.79	236.12
4	Depreciation	87.93	82.80	77.97	73.43	69.15	65.11	61.32	57.74	54.38	51.21	48.22	45.41	6.38	6.33	6.27	6.22	6.16	6.11	6.06	6.00
5	Preliminary expenses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	PBIT	187.84	191.37	194.56	197.42	199.97	202.21	204.17	205.86	207.28	208.45	209.38	210.07	246.92	244.73	242.47	240.15	237.75	235.28	232.74	230.12

Table 2: Balance Sheet		ANNEXURE - 12 E													
		Figures in Rupees lacs													
Sr. No.	Particulars	22	23	24	25	26	27	28	29	30	31	32	33	34	35
ASSETS															
1	Cost capitalised (Gross Block)	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16	1,508.16
2	Less: depreciation	836.04	841.88	847.68	853.43	859.12	864.77	870.37	875.92	881.42	886.87	892.27	897.63	902.94	908.21
3	Net block	672.12	666.28	660.48	654.73	649.04	643.39	637.79	632.24	626.74	621.29	615.89	610.53	605.22	599.95
4	working Capital	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Preliminary expenses	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Other Current Assets	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Investment and Cash	1,146.86	1,230.48	1,311.62	1,390.26	1,466.36	1,539.89	1,610.80	1,679.05	1,744.59	1,807.35	1,867.27	1,924.28	1,978.32	2,029.30
8	Total assets	1,818.98	1,896.76	1,972.10	2,044.99	2,115.40	2,183.28	2,248.59	2,311.29	2,371.33	2,428.64	2,483.15	2,534.81	2,583.54	2,629.25
LIABILITIES															
1	Equity	452.45	452.45	452.45	452.45	452.45	452.45	452.45	452.45	452.45	452.45	452.45	452.45	452.45	452.45
2	MNES Subsidy	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Reserves	1,366.53	1,444.31	1,519.66	1,592.55	1,662.95	1,730.83	1,796.14	1,858.85	1,918.88	1,976.19	2,030.71	2,082.36	2,131.09	2,176.80
4	Term loan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Working capital loan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Total liabilities	1,818.98	1,896.76	1,972.10	2,044.99	2,115.40	2,183.28	2,248.59	2,311.29	2,371.33	2,428.64	2,483.15	2,534.81	2,583.54	2,629.25
		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Table 3: Profit and Loss Statement															
		Figures in Rupees lacs													
Sr. No.	Particulars	22	23	24	25	26	27	28	29	30	31	32	33	34	35
1	INCOME														
1.1	Saleable units Lacs KWh	32.27	32.27	32.27	32.27	32.27	32.27	32.27	32.27	32.27	32.27	32.27	32.27	32.27	32.27
1.2	Sale rate Rs. Per Unit	10.33	10.33	10.33	10.33	10.33	10.33	10.33	10.33	10.33	10.33	10.33	10.33	10.33	10.33
1.3	Electricity Sale Income	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35
1.4	Reinvestment Income	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5	Income from CER sale														
1.6	Total Income	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35	333.35
2	OPERATING EXPENDITURE														
2.1	O & M expenses	93.65	96.11	98.64	101.24	103.90	106.63	109.44	112.31	115.27	118.30	121.41	124.60	127.88	131.24
2.2	Royalty on water	4.50	4.72	4.96	5.20	5.46	5.74	6.02	6.33	6.64	6.97	7.32	7.69	8.07	8.48
2.3	Land lease charges	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08
2.4	Maintenance of penstock & intake	4.50	4.72	4.96	5.20	5.46	5.74	6.02	6.33	6.64	6.97	7.32	7.69	8.07	8.48
2.5	Operating Expenses	102.82	105.74	108.75	111.85	115.04	118.33	121.72	125.22	128.82	132.52	136.35	140.29	144.35	148.53
3	PBDIT	230.53	227.61	224.60	221.50	218.30	215.01	211.63	208.13	204.53	200.82	197.00	193.06	189.00	184.81
4	Depreciation	5.90	5.85	5.80	5.75	5.70	5.65	5.60	5.55	5.50	5.45	5.41	5.36	5.31	5.27
5	Preliminary expenses														
6	PBIT	224.63	221.76	218.80	215.75	212.61	209.37	206.03	202.58	199.03	195.37	191.60	187.70	183.69	179.55

7	INTEREST																					
7.1	Term loan	1,055.71	967.74	879.76	791.78	703.81	615.83	527.86	439.88	351.90	263.93	175.95	87.98									
7.2	Interest on term loans	92.04	84.13	76.21	68.29	60.37	52.46	44.54	36.62	28.70	20.78	12.87	4.95	-	-	-	-	-	-	-	-	-
7.3	Working capital loan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.4	Interest on working capital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.5	Total Interest	92.04	84.13	76.21	68.29	60.37	52.46	44.54	36.62	28.70	20.78	12.87	4.95	-	-	-	-	-	-	-	-	-
8	Profit before tax (PBT)	95.79	107.24	118.35	129.13	139.59	149.76	159.64	169.24	178.58	187.67	196.51	205.12	246.92	244.73	242.47	240.15	237.75	235.28	232.74	230.12	227.41
8.1	Add book depreciation	87.93	82.80	77.97	73.43	69.15	65.11	61.32	57.74	54.38	51.21	48.22	45.41	6.38	6.33	6.27	6.22	6.16	6.11	6.06	6.00	5.95
8.2	Less IT depreciation	189.89	165.04	143.55	124.96	108.87	94.92	82.83	72.34	63.22	55.30	48.42	42.42	37.20	32.64	28.67	25.20	22.17	19.52	17.20	15.16	13.38
8.3	Total	(6.17)	25.01	52.77	77.59	99.87	119.95	138.13	154.65	169.73	183.57	196.32	208.11	216.10	218.41	220.07	221.16	221.74	221.87	221.60	220.96	219.99
	Cumulative	(6.17)	18.84	71.61	149.20	249.07	369.02	507.15	661.80	831.53	1,015.11	1,211.42	1,419.54	1,635.64	1,854.05	2,074.12	2,295.28	2,517.03	2,738.90	2,960.50	3,181.46	3,401.44
8.4	MAT	20.64	23.11	25.50	27.83	30.08	32.27	34.40	36.47	38.48	40.44	42.35	44.20	53.21	52.74	52.25	51.75	51.23	50.70	50.15	49.59	49.01
8.5	Corporate tax	-	7.28	15.37	22.60	29.08	34.93	40.22	45.03	49.43	53.46	57.17	60.60	62.93	63.60	64.08	64.40	64.57	64.61	64.53	64.34	64.06
8.6	Actual Tax Payable	20.64	23.11	25.50	27.83	30.08	34.93	40.22	45.03	49.43	53.46	57.17	60.60	62.93	63.60	64.08	64.40	64.57	64.61	64.53	64.34	64.06
	MAT Credit available	20.64	15.83	10.14	5.23	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tax credit set off/adjusted	-	-	-	-	-	2.66	5.82	8.56	10.94	13.02	14.82	(2.99)	-	-	-	-	-	-	-	-	-
	MAT credit elapsed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cumulative Tax Credit available	20.64	36.47	46.61	51.84	52.84	50.18	44.35	35.79	24.85	11.83	(2.99)	-	-	-	-	-	-	-	-	-	-
9	Income tax	20.64	23.11	25.50	27.83	30.08	32.27	34.40	36.47	38.48	40.44	42.35	63.59	62.93	63.60	64.08	64.40	64.57	64.61	64.53	64.34	64.06
10	Profit after tax (PAT)	75.15	84.13	92.85	101.30	109.51	117.49	125.24	132.77	140.10	147.23	154.17	141.53	183.99	181.13	178.39	175.74	173.18	170.67	168.21	165.77	163.35
11	Return on equity/ dividend	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74
12	Retained earnings	(5.59)	3.39	12.11	20.56	28.77	36.75	44.50	52.03	59.36	66.49	73.42	60.79	103.25	100.39	97.65	95.00	92.44	89.93	87.47	85.03	82.61
13	Cumulative retained earnings	(5.59)	(2.20)	9.91	30.47	59.24	95.99	140.5	192.5	251.9	318.4	391.8	452.6	555.8	656.2	753.8	848.9	941.3	1,031.2	1,118.7	1,203.7	1,286.3
14	Cash Profit	82.34	86.19	90.08	93.99	97.92	101.86	105.8	109.8	113.7	117.7	121.6	106.2	109.6	106.7	103.9	101.2	98.6	96.0	93.5	91.0	88.6
15	Cumulative cash profit	82.34	168.53	258.61	352.60	450.51	552.37	658.2	768.0	881.7	999.4	1,121.0	1,227.2	1,336.9	1,443.6	1,547.5	1,648.7	1,747.3	1,843.4	1,936.9	2,027.9	2,116.5

7	INTEREST														
7.1	Term loan														
7.2	Interest on term loans	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.3	Working capital loan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.4	Interest on working capital	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.5	Total Interest	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Profit before tax (PBT)	224.63	221.76	218.80	215.75	212.61	209.37	206.03	202.58	199.03	195.37	191.60	187.70	183.69	179.55
8.1	Add book depreciation	5.90	5.85	5.80	5.75	5.70	5.65	5.60	5.55	5.50	5.45	5.41	5.36	5.31	5.27
8.2	Less IT depreciation	11.81	10.44	9.23	8.17	7.23	6.41	5.68	5.04	4.48	3.98	3.53	3.14	2.80	2.49
8.3	Total	218.72	217.17	215.37	213.33	211.07	208.61	205.94	203.09	200.06	196.85	193.47	189.92	186.21	182.33
	Cumulative	3,620.16	3,837.33	4,052.69	4,266.02	4,477.09	4,685.70	4,891.64	5,094.73	5,294.79	5,491.64	5,685.11	5,875.03	6,061.24	6,243.57
8.4	MAT	48.41	47.79	47.15	46.49	45.81	45.12	44.40	43.65	42.89	42.10	41.29	40.45	39.58	38.69
8.5	Corporate tax	63.69	63.24	62.71	62.12	61.46	60.75	59.97	59.14	58.26	57.32	56.34	55.30	54.22	53.09
8.6	Actual Tax Payable	63.69	63.24	62.71	62.12	61.46	60.75	59.97	59.14	58.26	57.32	56.34	55.30	54.22	53.09
	MAT Credit available	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tax credit set off/adjusted	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MAT credit elapsed	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cumulative Tax Credit available	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Income tax	63.69	63.24	62.71	62.12	61.46	60.75	59.97	59.14	58.26	57.32	56.34	55.30	54.22	53.09
10	Profit after tax (PAT)	160.94	158.52	156.09	153.63	151.14	148.62	146.06	143.44	140.78	138.05	135.26	132.40	129.47	126.46
11	Return on equity/ dividend	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74	80.74
12	Retained earnings	80.20	77.78	75.34	72.89	70.40	67.88	65.32	62.70	60.03	57.31	54.52	51.66	48.72	45.71
13	Cumulative retained earnings	1,366.5	1,444.3	1,519.7	1,592.5	1,662.9	1,730.8	1,796.1	1,858.8	1,918.9	1,976.2	2,030.7	2,082.4	2,131.1	2,176.8
14	Cash Profit	86.1	83.6	81.1	78.6	76.1	73.5	70.9	68.3	65.5	62.8	59.9	57.0	54.0	51.0
15	Cumulative cash profit	2,202.6	2,286.2	2,367.3	2,446.0	2,522.1	2,595.6	2,666.5	2,734.8	2,800.3	2,863.1	2,923.0	2,980.0	3,034.0	3,085.0

Table 4: Schedule for Calculations of Depreciation																						
1	Civil work including escalation	492.16																				
2	E & M work including escalation	529.24	Total:	1,021.40																		
3	IDC +Financial charges+Pre-operative	486.76																				
4	Cost after capitalisation																					
5	Civil work	726.71																				
6	E & M	781.45	Total:	1,508.16																		
		Figures in Rs. Lac																				
Sr.No.	Particulars	Year																				
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21
A	Rate of depreciation	First 12 yrs	5.83%	Remaining	0.87%																	
1	Project cost-civil work	726.71	684.34	644.44	606.87	571.49	538.17	506.80	477.25	449.43	423.23	398.55	375.32	353.43	350.36	347.31	344.29	341.29	338.33	335.38	332.46	329.57
2	Project cost -E & M	781.45	735.90	692.99	652.59	614.55	578.72	544.98	513.21	483.29	455.11	428.58	403.59	380.06	376.76	373.48	370.23	367.01	363.81	360.65	357.51	354.40
3	Total cost	1,508.16	1,420.23	1,337.43	1,259.46	1,186.04	1,116.89	1,051.77	990.46	932.71	878.34	827.13	778.91	733.50	727.12	720.79	714.52	708.30	702.14	696.03	689.98	683.97
4	Depreciation-Civil	42.37	39.90	37.57	35.38	33.32	31.38	29.55	27.82	26.20	24.67	23.24	21.88	3.07	3.05	3.02	3.00	2.97	2.94	2.92	2.89	2.87
5	Depreciation-E & M	45.56	42.90	40.40	38.05	35.83	33.74	31.77	29.92	28.18	26.53	24.99	23.53	3.31	3.28	3.25	3.22	3.19	3.17	3.14	3.11	3.08
6	Depreciation-Total	87.93	82.80	77.97	73.43	69.15	65.11	61.32	57.74	54.38	51.21	48.22	45.41	6.38	6.33	6.27	6.22	6.16	6.11	6.06	6.00	5.95
7	WDV	1,420.23	1,337.43	1,259.46	1,186.04	1,116.89	1,051.77	990.46	932.71	878.34	827.13	778.91	733.50	727.12	720.79	714.52	708.30	702.14	696.03	689.98	683.97	678.02
B	As per Income tax method																					
1	Rate of depreciation	Civil	0.10	E &M	0.15																	
2	Project cost-civil work	726.71	654.03	588.63	529.77	476.79	429.11	386.20	347.58	312.82	281.54	253.39	228.05	205.24	184.72	166.25	149.62	134.66	121.19	109.07	98.17	88.35
3	Project cost -E & M	781.45	664.24	564.60	479.91	407.92	346.74	294.73	250.52	212.94	181.00	153.85	130.77	111.16	94.48	80.31	68.26	58.02	49.32	41.92	35.63	30.29
4	Total cost;	1,508.16	1,318.27	1,153.23	1,009.68	884.72	775.85	680.93	598.10	525.76	462.54	407.23	358.82	316.40	279.20	246.56	217.89	192.68	170.51	151.00	133.80	118.64
5	Depreciation-Civil	72.67	65.40	58.86	52.98	47.68	42.91	38.62	34.76	31.28	28.15	25.34	22.80	20.52	18.47	16.62	14.96	13.47	12.12	10.91	9.82	8.84
6	Depreciation-E & M	117.22	99.64	84.69	71.99	61.19	52.01	44.21	37.58	31.94	27.15	23.08	19.62	16.67	14.17	12.05	10.24	8.70	7.40	6.29	5.35	4.54
7	Depreciation-Total	189.89	165.04	143.55	124.96	108.87	94.92	82.83	72.34	63.22	55.30	48.42	42.42	37.20	32.64	28.67	25.20	22.17	19.52	17.20	15.16	13.38
8	WDV	1,318.27	1,153.23	1,009.68	884.72	775.85	680.93	598.10	525.76	462.54	407.23	358.82	316.40	279.20	246.56	217.89	192.68	170.51	151.00	133.80	118.64	105.26

Figures in Rupees lacs

Sr.No.	Particulars	22	23	24	25	26	27	28	29	30	31	32	33	34	35
A	Rate of depreciation														
1	Project cost-civil work	326.70	323.86	321.04	318.25	315.48	312.74	310.02	307.32	304.65	302.00	299.37	296.76	294.18	291.62
2	Project cost -E & M	351.32	348.26	345.23	342.23	339.25	336.30	333.37	330.47	327.60	324.75	321.92	319.12	316.35	313.59
3	Total cost	678.02	672.12	666.28	660.48	654.73	649.04	643.39	637.79	632.24	626.74	621.29	615.89	610.53	605.22
4	Depreciation-Civil	2.84	2.82	2.79	2.77	2.74	2.72	2.70	2.67	2.65	2.63	2.60	2.58	2.56	2.54
5	Depreciation-E & M	3.06	3.03	3.00	2.98	2.95	2.93	2.90	2.88	2.85	2.83	2.80	2.78	2.75	2.73
6	Depreciation-Total	5.90	5.85	5.80	5.75	5.70	5.65	5.60	5.55	5.50	5.45	5.41	5.36	5.31	5.27
7	WDV	672.12	666.28	660.48	654.73	649.04	643.39	637.79	632.24	626.74	621.29	615.89	610.53	605.22	599.95
B	As per Income tax method														
1	Rate of depreciation														
2	Project cost-civil work	79.52	71.56	64.41	57.97	52.17	46.95	42.26	38.03	34.23	30.81	27.73	24.95	22.46	20.21
3	Project cost -E & M	25.75	21.88	18.60	15.81	13.44	11.42	9.71	8.25	7.02	5.96	5.07	4.31	3.66	3.11
4	Total cost:	105.26	93.45	83.01	73.78	65.61	58.38	51.97	46.29	41.24	36.77	32.79	29.26	26.12	23.32
5	Depreciation-Civil	7.95	7.16	6.44	5.80	5.22	4.70	4.23	3.80	3.42	3.08	2.77	2.50	2.25	2.02
6	Depreciation-E & M	3.86	3.28	2.79	2.37	2.02	1.71	1.46	1.24	1.05	0.89	0.76	0.65	0.55	0.47
7	Depreciation-Total	11.81	10.44	9.23	8.17	7.23	6.41	5.68	5.04	4.48	3.98	3.53	3.14	2.80	2.49
8	WDV	93.45	83.01	73.78	65.61	58.38	51.97	46.29	41.24	36.77	32.79	29.26	26.12	23.32	20.84

Table 7: Calculations of Interest on Term Loan

Year	Amount	Repayment	Quarter Ending	Quarterly	Annual
Repayment from third year of			Repayment	Interest	Interest
			1055.71		
I	1055.71	21.99		23.75	
	1033.72	21.99		23.26	
	1011.72	21.99		22.76	
	989.73	21.99	87.98	967.74	22.27
II	967.74	21.99		21.77	92.04
	945.74	21.99		21.28	
	923.75	21.99		20.78	
	901.75	21.99	87.98	879.76	20.29
III	879.76	21.99		19.79	84.13
	857.77	21.99		19.30	
	835.77	21.99		18.80	
	813.78	21.99	87.98	791.78	18.31
IV	791.78	21.99		17.82	76.21
	769.79	21.99		17.32	
	747.80	21.99		16.83	
	725.80	21.99	87.98	703.81	16.33
V	703.81	21.99		15.84	68.29
	681.81	21.99		15.34	
	659.82	21.99		14.85	
	637.83	21.99	87.98	615.83	14.35
VI	615.83	21.99		13.86	60.37
	593.84	21.99		13.36	
	571.84	21.99		12.87	
	549.85	21.99	87.98	527.86	12.37
VII	527.86	21.99		11.88	52.46
	505.86	21.99		11.38	
	483.87	21.99		10.89	
	461.87	21.99	87.98	439.88	10.39
VIII	439.88	21.99		9.90	44.54
	417.89	21.99		9.40	
	395.89	21.99		8.91	
	373.90	21.99	87.98	351.90	8.41
IX	351.90	21.99		7.92	36.62
	329.91	21.99		7.42	
	307.92	21.99		6.93	
	285.92	21.99	87.98	263.93	6.43
X	263.93	21.99		5.94	28.70
	241.93	21.99		5.44	
	219.94	21.99		4.95	
	197.95	21.99	87.98	175.95	4.45
XI	175.95	21.99		3.96	20.78
	153.96	21.99		3.46	
	131.96	21.99		2.97	
	109.97	21.99	87.98	87.98	2.47
XII	87.98	21.99		1.98	12.87
	65.98	21.99		1.48	
	43.99	21.99		0.99	
	21.99	21.99	87.98	0.00	0.49
Total :		1055.71	1055.71		581.96

PROJECT COST: BREAK-UP

Capacity 1.45 MW

Sr. No.	Particulars	Cost, Rs. Lac
1	Civil, Electrical and Mechanical works	
a	Civil work	492.16
b	Electrical & mechanical cost	415.71
c	Transmission works	113.53
d	E & M inclusive of transmission	529.24
e	Project cost without IDC, FC & others	1021.40
2	Interest During Construction (IDC)	323.32
3	Financial Charges	
a	Financial institution fees	1%
b	Statutory clearance	
c	Financial consultancy	
d	Loan application charges	
e	Sub-total:2	0.00
4	Preliminary expenses	
a	other expenses	
b	Misc. pre incorporation fees	
	Sub-total:a	0.00
	Pre-operative expenses	
a	Upfront premium	24.45
	Threshold premium	79.41
b	Legal expenses, board meeting, inaugural	47.84
c	Insurance during construction	11.74
d	Contingencies	
	Sub-total:b	163.44
	Sub-total:(a+b)	163.44
5	Project Cost	PER MW 1040 1508.16
6	Working Capital Requirements	
a	Receivables @ 2 months -1st year	0.00
b	O&M @ 1 months	0.00
c	Spares	0.00
	Sub-total:6	0.00
7	Margin Money for WC	30% 0.00
8	Sources of Fund	
	Loan	70% 1055.71
	Equity	30% 452.45
9	Total Project Cost	PER MW 1040 1508.16

0.827467 199.00 293.16
286.6988 275.00 140.71

54.49

55.56
4.80
0.72
61.08

Sr.No.	Particulars/Project	Unit	Amount/RS
1	Net Energy	MUS	3.23
2	Emission reduction	MT CO ₂	2,625
3	Rate	USD/CER	12
4	Revenue	USD	31,506
5	Rate	INR/USD	74
6	Revenue	INR/Yr	23,23,238
7	Revenue	Rs Cr 10 yrs	2.32

Rs/Unit
0.72

Sr.No.	Description	Percent	Units	PLF
A	Gross generation		3.26	25.67%
B	Losses			
1.1	Unit auxiliary	0.50%	0.0163	
1.2	Transformation	0.50%	0.0163	
1.3	Total losses	1.00%	0.033	
C	Net generation		3.23	

Table 5: Phasing of Expenditure and Interest During Construction

S.N.	Quarter	Civil	E & M	Other	Total
		Rs. in Lacs			
1	Quarter1	49.2	132.31	105.52	287.05
2	Quarter2	98.4	132.31	105.52	336.27
3	Quarter3	147.6	132.31	137.86	417.81
4	Quarter4	196.9	132.31	137.86	467.03
5	Quarter5	-	-	-	-
6	Quarter6	-	-	-	-
7	Quarter7	-	-	-	-
8	Quarter8	-	-	-	-
	Total	492.2	529.2	486.76	1,508.16

Civil	Mechanical	Prem.	IDC
10	25	25	20
20	25	25	20
30	25	25	30
40	25	25	30
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
100	100	100	100

Table 6: Phasing of Expenditure and Interest During Construction

Quarter	Term loan interest rate	9.00%	Own	Loan amt.	Loan period	IDC
	Expenditure	Rs.	Rs.	Rs.	Months	
	Rs. In Lacs					
1		287.05	86.11	200.93	3.00	4.52
2		623.32	186.99	436.32	3.00	9.82
3		1,041.13	312.34	728.79	3.00	16.40
4		1,508.16	452.45	1,055.71	3.00	23.75
5		-	-	-	-	-
6		-	-	-	-	-
7		-	-	-	-	-
8		-	-	-	-	-
		-	-	-	-	54.49

Project Cost

Sr.No.	Cost Components	Amount in Rs Lacs
1	Civil	492.16
2	E & M	415.71
3	transmission work	113.53
4	Total (a) cost without IDC & FC	1021.40
5	Interest During Construction	323.32
6	Financial Charges	0.00
7	Preliminary & pre-operative exp	163.44
8	Total (b)	486.76
9	Grand Total a+b	1508.16
10	Capacity (MW)	1.45
11	Cost per MW	1040.11
12	Margin money for WC	0.00
13	Total project cost	1508.16

ANNEXURE-A

Form for Wind Power, Small Hydro & Solar PV/Solar Thermal Power Projects

Sr.No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Assumption
1	Power Generation	Capacity	Installed Power Generation Capacity Capacity Utilization Factor Useful Life	MW % Years	1.45 25.67 35
2	Project Cost	Capital Cost/MW	Power Plant Cost	Rs Lacs/MW	1040.11
3	Sources of Fund	Debt Equity	Terriff Period Debt Equity Total Debt Amount Total Equity Amount	Years % % Rs Lacs Rs Lacs	35 70 30 1055.71 452.45
		Debit Component	Loan Amount Repayment Period (incld Moratorium) Interest Rate	Rs Lacs Years %	1055.71 12 9.00%
		Equity Component	Equity Amount Return of Equity ROE Period Weighted average of ROE Discount Rate	Rs Lacs % p.a Year	452.45 14.00% 35 80.74 8.67%
4	Financial Assumption	Fiscal Assumption Depreciation	MAT Rate Depreciation Rate for first 12 years Depreciation Rate 13th years onward	% % %	21.55% 5.83% 0.87%

Sr.No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Assumption
5	Working Capital	For Fixed Charges			
		O & M Charges		Lakh Per Month	4.80
		Maintance Spare	(% of O & M exepenses)		15%
		Receivables for Debtors		Months	2
		Interest on Working Capital		%	8.50%
6	Operation & Maintance	Power Plant - Base Year		Rs Lakh/MW	54.29
		Total O&M Expenses Escalation		%	2.63%



Ref No: S/JAT/300457/58/59-1

Date: 05/10/2011



Jyoti Ltd.

Water • Power • Progress

Nanubhai Amin Marg,

Industrial Area,

P.O. Chemical Industries,

Vadodara-390 003. (India)

Phone : 3054444

Fax : ++91-265-2281871

2280671

E.Mail : jyotiltd@jyoti.com

Website : <http://www.jyoti.com>

To,

M/S Shree Hari Associates (P) Ltd.

1' Sai Vrindavan, Negar Mahanubhav Aashram,

Paithan Road,

Itkheda,

Aurangabad - 431005

0240-2376648/49.

Kind attn: Mr. Madhusudan Kulkarni

Sub: Purchase Order acceptances & ABG submission-Reg.

Ref: Your ref no - SAPL / Hydro / P.O / 2011-12/79, 30.09.11.

Dear Sir,

With reference to above subject, please find enclosed herewith detailed P.O duly signed by us and enclosed herewith Advance Bank Guarantee for (Mukane, Waldevi & Waki MHS projects) 10% of total order Value.

We request you please release the 10% advance amount against ABG at the earliest.

Kindly do the needful for the same and acknowledge for the same.

Thanking You,

Yours faithfully,

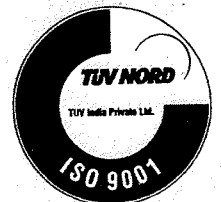
For Jyoti Ltd.

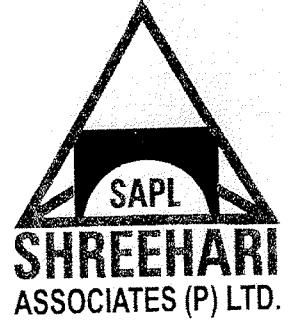
J. A. Tailor

Jasmine Tailor

Hydel Systems.

Encl:As above





Ref. No. -SAPL/HYDRO/P.O./2011-12/79
September 30th 2011

To,
Jyoti Limited,
Nanubhai Amin Marg, Industrial Area,
P.O. Chemical industries,
Vadodara-390 003.

Subject :- Purchase Order for Mukane, Waldevi & Waki Hydro Projects.

Dear Sir,

Find here enclosed here with the Purchase Order Copies for Following Hydro Projects.

- 1) Mukane :-4,10,700,00/-
- 2) Waldevi :- 3,29,380,00/-
- 3) Waki :- 3,39,920,00/-

Kindly Acknowledge the Receipt of Purchase order & Send the Copy Duly accepted by you.
On receipt of Your acceptance we are submitting the copy to our Bankers. The Advance
Will be sanctioned by the Bank accordingly as per Project Finance agreement by bank.

Thanking you.

Regards
For Shreehari Associates Pvt Ltd,

Mr. Jagtap Sarang
(G.M Admin)



**PURCHASE ORDER
(MUKANE HYDRO ELECTRIC PROJECT)**

Purchase Order No. : SAPL/HYDRO/MUKANE/HEP/09-05/2011

Date: Sept 30th 2011

To,

Jyoti Limited

Nanubhai Amin Marg, Industrial Area,
P.O. Chemical industries,
Vadodara-390 003, India.

Phone : 0265 – 305 4444 / 4588 / 4589 Fax: 0265 – 228 1871 / 0671

SUBJECT : Purchase order for Mukane Hydro Electric Project
REFERENCE :

- 1) Your offer no. S: AKJ: 6424:2011 dated 06/05/2011
- 2) Our letter of intent No SAPL / HYDRO / LOA / 2011 – 2012 / 39 Dated 18/07/2011
- 3) Your commercial clarification No S/ KP / 6424 / 01 / 2011 Dated 01/07/2011
- 5) Minutes of meeting dated 29/06/2011
- 6) Minutes of meeting (E&M) dated 24/08/2011
- 7) Minutes of meeting (Civil) dated 24/08/2011
- 8) Minutes of meeting (General) dated 24/08/2011

SCOPE OF CONTRACT: In accordance with the specifications and terms & conditions of above mentioned references the scope is as under:

THE PURCHASE ORDER IS EPC BASE RESPONSIBILITY OF VENDOR INCLUDING FOLLOWING:

- 1). DESIGN, DETAIL ENGINEERING, PREPERATION OF PROJECT EXECUTION DRAWINGS OF CIVIL, HYDRO MECHANICAL, ELECTRO-MECHANICAL AND ELECTRICAL.
- 2) MANUFACTURE,TEST AT SHOP,SUPPLY AT SITE INCLUDING TRANSPORT, HANDLING,LOADING/UNLOADING,INSTALLATION,PUTTING TO OPERATION AND ERECTION, TESTING, COMMISSIONING OF TURBINE/GENERATOR SETS ALONG WITH ALL E&M EQUIPMENTS REQUIRED FOR HYDEL POWER STATION AND SWITCH YARD.
- 3) SUPERVISION OF OPERATION & MAINTENANCE FOR SIX MONTHS AFTER HANDING OVER

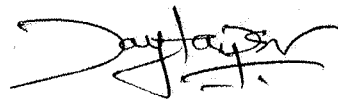
ANNEXURE 1: SCOPE OF SUPPLY OF ITEMS

ANNEXURE 2: GUARANTEED TECHNICAL PARTICULARS FOR TURBINE AND GENERATOR

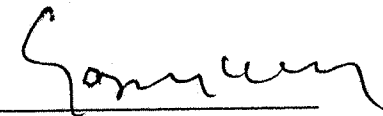
ANNEXURE 3: LIST OF PROPOSED MAKE OF ITEMS, SUB - CONTRACTOR'S / VENDOR'S

ANNEXURE 4: LIST OF SPARES & TOOLS FOR ITEMS/EQUIPMENTS & MAINTENANCE TOOLS & TACKLES

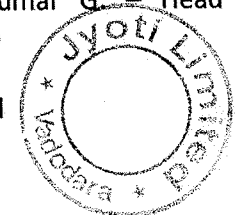
ANNEXURE 5: TERMS AND CONDITIONS



(Mr. Jagtap Sarang – GM (Admin))
For Shreehari Associates Pvt. Ltd.



(Mr. Ganesh Kumar G. – Head
(Hydel Systems))
Accepted
For Jyoti Limited



Annexure – 1
SCOPE OF SUPPLY
(1 X 1450 KW MUKANE HEP)

S. No.	Description	Qty.	Unit
1.0	TURBINE & GENERATOR PLANT		
1.1	Turbine:- Horizontal Kaplan Turbine rated out put not less than 1450 KW For 15.575 m design head with electronic governor and associated equipments complete with Turbine auxiliaries of cooling water system, drainage and dewatering system with oil and water piping, valves, strainer, bends ,manhole / inspection door. Mandatory Spares & Tools, Tackle etc. as per list attached.	1	Set
1.2	Main Inlet Valve:- Main Inlet Valve(Butterfly Valve of 2500 mm diameter With Single Seal, of fabricated construction) with u/s flange for connection to 2500 mm ID Penstock embedded in dam , penstock drain arrangement with valve , NRV, manhole , with extension pipe up to spiral Case, Inlet Pipe, Out let pipe , dismantling joint , servomotor , O.P.U. Control cabinet. Mandatory Spares & Tools, Tackle etc. as per list attached	1	Set
1.3	Hydro Generator :- Horizontal shaft synchronous generator 1674 KVA at 0.9 p.f ,3.3 KV , 50Hz , three phase suitable for coupling to above mentioned turbine with fully brushless excitation system with automatic voltage regulator, complete, with Generator auxiliaries , generator terminal Box phase segregated , padestal tilting pad forced oil lubricated bearing , with instrumentation. Mandatory Spares & Tools,Tackle etc. as per list attached	1	Set
1.4	Speed Increaser Gear Box. (Speed Ratio=357/750 RPM) with forced and self lubricated system with oil coolers.	1	No.
2.0	3.3 KV Switchgear comprising control & relay panels suitable for computerized control system consisting of		
	3.3 KV Circuit breaker cubicle for generator and 3.3 KV Transformer LT	2	Nos.
	3.3 KV CT having suitable current ratio with 4 core for protection & metering 1 set & 1 set of 4 core in N.G. cubicle.	2 Sets	1 Sets of 3 Nos.
	Draw out Type P.T. 2 Core 3.3 KV//3,110 V//3,110 V//3 with HT fuse.	1	No.
	NGT Panel	1	No.
	LAVT Panel	1	No.
	Mandatory Spares & Tools, Tackle etc. as per list attached	1	Set

3.0	GENERATOR, TRANSFORMER & FEEDER PROTECTION AND SYNCHRONIZING PANEL (COMPRISING NUMERICAL PROTECTION RELAYS)		
	Generator Protection Panels, Comprising of Protection scheme, alarm facias, meters, relays suitable for control system wired & Tested.	1	Set
	Transformer panel comprising, Protection scheme, alarm facias, meters, relays suitable for HT LT breaker computerized control system complete wired & Tested.	1	Set
	Line Protection cubicles for 33 KV lines comprising protection scheme, alarm facia, meters, relays suitable for breaker control complete wired & Tested.	1	Set
	Synchronizing system comprising, protection scheme, alarm facias, meters, relays suitable for computerized control system complete wired & Tested.	1	Set
	Mandatory Spares & Tools, Tackle etc. as per manufacturers list	1	Set
4.0	SCADA SYSTEM Complete in all respect including INTERFACES and other material to required for achieving total control of the Plant.	1	Set
5.0	POWER TRANSFORMER		
	Power Transformer of capacity 2.0 MVA, 3 Ph., 33 KV/3.3 KV, 50 Hz, ONAN Type, star neutral delta with "ON load tap changer" , remote operated , suitable for Power cable connections on L.T. and HV Side with first filling of oil & accessories.	1	No.
	Mandatory Spares & Tools, Tackle etc. as per list		
6.0	33 KV SWITCHYARD EQUIPMENTS (as per MSEDCL) Specification (Indoor Type) LT		
	33 KV Auxiliary Transformer Panel With load break switch With Protection.	1	Set.
	Line and Transformer metering and Protection Panel With 33 KV VCB, 630 A, 25 KA, 3 Ph, 50 Hz.	1	Set.
	Bus PT Panel For Protection & metering	1	No.
	Bus Bar material including Insulators and etc.	L.S.	L.S.
	Marshaling box, Junction Boxes For C.T. and P.T.	Adequate	Job
	Mandatory Spares & Tools, Tackle etc.		
7.0	415 V A.C. SWITCHGEAR PANEL: Indoor type, 415 V A.C. Distribution board panel comprising of Two nos. of incoming A.C.B. Of suitable capacity with auto change over system, Bus bars, metering equipments and sufficient Nos. of outgoing MCB/MCCB with ammeters, including manual/auto change over for U.A.T. to D.G. Set A.C. Supply With ANF PANEL AND required accessories.	1	Set
	Mandatory Spares & Tools, Tackle etc. as per suppliers list	1	Set
8.0	110 VOLT D.C. EQUIPMENTS		

	Lead Acid Batteries SMF VRLA TYPE having capacity of 110 V/250 AH With required accessories.		
	Battery Charger suitable for 110 KV, 250 AH, capacity batteries, with float & float cum boost charger with accessories.		
	110 KV D.C., Distribution board with sufficient nos. of outgoing feeders with accessories.		
	Mandatory Spares & Tools, Tackle etc. AS per suppliers list		
9.0	UNIT AUXILIARY TRANSFORMER Unit Auxiliary Transformer 100 KVA, 33 KV/415 V, 3 Phase, 50 Hz, Out door type with first filling of oil with oil accessories delta/star.	1	No.
	Mandatory Spares & Tools, Tackle etc.		
10.0	POWER AND CONTROL CABLES H.T. Power Cables single core 300 sq. mm Copper for generator and 3 x 35 sq. mm. XLPE ,AL,5 KV(E) Grade, Various L.T. Power & Control Cables, Screened Cables, A.C. Auxiliary Power supply cables, Trays, Racking, Trench Covers and suitable clamps for fixing cable trays with accessories. All control and instrumentation screened cables copper cables.	1	Lot
	Mandatory Spares & Tools, Tackle etc.		
11.0	OTHER TERMS		
11.1	E.O.T. Crane of suitable capacity, to be decided by bidder, to be operated by A.C., 415 V+/-10 %, 3 Phase, 50 Hz, Power Supply, with down shop leads and Double bar, With micro movement and pendent operated.	1	No.
	Mandatory Spares & Tools, Tackle etc.		
11.2	63 KVA, DG Set, 415V, 3 Phase with AMF System totally enclosed sound proof, out door type.	1	No.
	Mandatory Spares & Tools, Tackle etc. as per supplier		
11.3	Power House and Switchyard Earth mats. Earthing system as per IS 3043, E I, and MSEDCL specification.	1	Lot
11.4	Power house & Switchyard lighting & Construction Power Supply.	1	Lot
11.5	Fire Fighting Equipments	1	Set
11.6	Air Conditioning for Control room (3 Nos 1.5 t split A/C units)	1	Lot
12.0	INSTALLATION, ERECTION, TESTING, COMMISSIONING AND PUTTING TO OPERATION, SUPERVISION OF OPERATION & MAINTENANCE FOR 6 MONTHS.	Job	Lump sum
13.0	Data Collection, design, drawing, Supervision of civil work including site visit at pre-determined stages till completion of work as per Tender.	1	Job

Annexure – 2
GUARANTEED TECHNICAL PARTICULARS (GTP)
(1 X 1450 KW MUKANE HEP)

A. TURBINE

1	Name of the Manufacturer	Jyoti Ltd. Vadodara					
2	Type of Turbine	'S' – Type Full Kaplan					
3	Shaft Orientation	Horizontal					
4	Speed	357 (Turbine) / 750 (Generator)					
5	Guaranteed rated output of each turbine at rated net head of 14.60 m						
	Discharge	11.51 Cumecs					
	Turbine Output	1541KW					
	Guaranteed date of each turbine at various gross head.						
	Head in Meter H	Minimum (8.97m)		Rated (14.6m)		Maximum (18.36m)	
	Discharge (Cumecs) & Output (KW) at following	Q	P	Q	P	Q	P
	Percentage Gate Openings						
	50 %	11.84	793	6.22	793	4.48	793
	75 %			8.77	1169	6.46	1169
	100 %			11.51	1541	8.29	1541
	110 %			12.70	1696	9.08	1696
	Where Q = Discharge in cumecs.						
	P = Turbine Output in KW						
	H = Head in m gross.						
6	Performance curves, model particulars and efficiencies						
a	Performance curves for output, efficiencies and discharge verses percentage gate opening under different	For rated head it is given					

	head conditions shall be submitted along with tender.	
b	Bonafied turbine efficiencies at rated head for the following outputs	
	Output	
	110%	93.2 %
	100 %	93.5 %
	75 %	93.1 %
	50 %	89.0 %
c	Best efficiency of turbine (It shall be obtainable at the rated output of not less than rated power kw with rated discharge in cumecs discharge and around 90% gate opening)	Refer above clause no.6c
d	Model Particulars	*
i	Drawings of model turbine which meets the design data of this specification shall be submitted with tender in triplicate	Yes/ No
ii	Latest test reports of above model (to be enclosed) Model tests data duly corrected Along with calculation of correcting factors shall be enclosed.	Yes/no
iii	Name & full address of the customers executed orders on the basis of this model tests (along with order number and technical details)	Yes/no
iv	Acceptance certificate from above customer.	Yes/no
7	Discharge	
	Turbine discharge at rated head for the following	
	Percentage of rated output	
a	110 %	12.70 Cumecs
b	100 %	11.51 Cumecs
c	75 %	8.77 Cumecs

d	50 %	6.22 Cumecs
8	Speed :	
a	Specific speed in M.K.S. Units	491.05
b	Rated speed in R.P.M.	357(Turbine) / 750(Generator)
c	Maximum runaway speed in R.P.M	1000(Turbine) / 2100(Generator)
d	Direction of rotation when viewed from generator End	
e	Momentary rise in speed on suddenly reducing load at 110 % of rated to rated speed.	~< 50 %
f	Time of gate closing for regulation in item-7above seconds.	~ 3 – 5 sec
9a	Momentary drop in speed in increasing load zero to full load.	Gradually loading is recommended
b	Time of gated opening for regulation at (a) above	Gradually loading is recommended
10.	Flywheel effect of :-	
a	The generating unit for regulation stated above	3400 Kgm ²
b	Turbine mnner & shaft. 11. Factor of Safety	3400 Kgm ²
11	Factor of safety	
a	Guaranted minimum factor of safety under worst Conditions based on yield point of the material.	~>1.5 (At Runaway)
b	Name & location of the part having the factor of safety in (a) above	Runner
12	Maximum water hammer pressure(Not to exceed 25% of Max. head)	~40 %
13	Thrust bearing loads	
a	load due to turbine rotating parts	~30 T
b	Maximum axial hydraulic thrust down words	
c	Total down words load on thrust bearing	

	originating from turbine.	
14	Runner	
a	Material and composition	CA 6 NM ASTM A743
b	Number of runner blades.	4
c	Runner outlet diameter.	1550
d	Weight of runner	~3000 Kg
e	Source of runner casting.	Reputed
f	Method of load regulation	*
15	Shaft.	
a	Material and composition.	Forged shaft BS 29
b	Diameter.	*
c	Length	*
d	Weight	*
e	Type of coupling]	Flexible
f	Material of renewable shaft gland	*
16	Guide apparatus	
a	Material of guide vanes	Cast Steel IS 1030
b	Number of guide vanes	13
c	Guide vane PCD	*
d	Height of guide vane	*
e	i) Maximum guaranteed leakage through full closed gated	Negligible
	ii) Torque on runner due to leakage.	Negligible
f	Description of the method of lubrication	Self lubricating
g	Weight of each guide vane	~ 80 Kg
17	Inlet Casing & speed ring	
a	inlet diameter of casing .	~2500 mm
b	Dimensions of casing.	*
c	Maximum/Design/Working pressure.	*
d	Test pressure	*
e	Material of casing.	Fe 410 WB IS 2062
f	Number of sections of casing	*
g	Material and construction of speed ring.	Fe 410 WB IS 2062
h	Number of vanes in speed ring	4

i	Weight of casing	~ 6500 Kg
j	Dimensions of Man Hole	*
18a	Elevation of center line of distributor	Refer GA drg
b	Suction head for turbine	-1.5m.
19a	Critical value	0.6
b	Cavitation guarantee in Kg/ 1000 hrs. of operation.	0.36 Kg/ 1000hrs
c	Runner throat diameter.	*
d	Guarateed depth of pitting at any point	*
20	Draft Tube.	
a	Type	*
b	Elevation of lowest point in draft tube	*
c	Total length of draft tube.	*
d	Velocity under full load at Draft Tube exists.	~ 2.3 m/s
21	Guide vane servomotor	1
a	Number of servomotor	1
b	Material of servomotor body and piston.	Seamless tubes & carbon steel
c	Rating.	*
d	Range of oil pressure of satisfactory operation	*
e	Dia of servomotors	*
f	Stroke of servomotors.	*
22	Guide Bearing	
a	Type	Thordon make
b	Bearing area.	*
c	Composition of lining material for bearing shell	*
d	Lubricant	*
e	Amount of lubricant in the filling.	*
f	Maximum temperature of the oil	*
g	Method of Lubrication (forced, self, etc.)	*
h	Type of pumps, offered for pressure lubrication	*

i	Type of motor	*
j	Rating of motors.	*
k	Description of arrangement for preventing loss of oil.	*
l	Description of arrangement for cooling and changing oil.	*
M	Amount of cooling water required per minute	*
23	Turbine Shaft Sealing Gland:	
	Quantity of water required for turbine sealing gland.	LPMs
	Quantity of water required.	Liters.
	Pressure required for sealing water at inlet to sealing gland.	kg/cm ²
	Type of gland offered.	Stuffing box type
24	Maximum noise level in decibels at different loads operations	90 db (A)
25	Governing System	
a	Make	Reputed
b	Type.	Electronic / PLC
c	Rating	*
d	Guaranteed sensitivity (Minimum speed range to which governor will respond)	0.1%
e	Range of adjustment in speed setting.	0 to 10%
f	Range of adjustment of permanent speed drop ..	+/- 10%
g	Governing opening & closing times.	~ 1 to 20 sec
h	Description and method of operation.	Refer attached manual
i	Adjustment range in governor opening and closing time.	~ 1 to 20 sec
j	Operating Pressure	*
K	Provision of gate opening limiter for higher	*
26	Oil Pump and Sump Tank if any	*

a	Number of oil pump per unit.	2 (1 main + 1 stand by)
b	Type of Pump.	Gear / vane
c	Capacity of each pump	*
d	Dimensions of sump tank	*
e	Effective volume of sump tank	*
f	Total volume of oil in.the governing system	*
27	Oil Pressure Vessels if required:	*
a	Number of vessels per unit	
b	Dimension of pressure vessels.	
c	Normal volume of oil in vessels	
d	Normal working pressure.	
e	Min. working pressure.	
f	Weight of oil pressure vessels.	
g	Grade of oil recommended	
28	Oil leakage Tanks & Pumps if applicable	*
	No. & type of oil leakage pumps	
	Capacity of each pump.	
	Capacity & speed of pump motor	
	Dimension of leakage tank	
	Effective volume of tank	
29	Butterfly valve.	
	Type	Lattice type
	Nonnal diameter	~ 2500 mm
	Material of valve	*
	Material of valve gate	*
	Test pressure.	*
	Factor of safety over yield point.	*
	Time of opening. >45sec	~ 60 – 90 sec
	Time of closing. >30sec.	~ 60 – 90 sec
	Leakage through closed valve.	Negligible
	Method of opening.-preferred oil pressure	*
	Method of closing-----~preferred by self	*

	weight	
	Weight of valve	*
	Weight of heaviest part to be transported	Draft tube
	Dimension of largest part to be transported	~(4500 x 3200 x 3800) mm
	Length and angle of taper piece.	*
	Length of inlet pipes for connection to Client's penstock	*
	Number of servomotor.	*
	Diameter of servomotor.	*
	Stroke of servomotor.	*
30	Grease Lubrication Equipment if required	N.A.
	Number of pumps.	
	Capacity & pressure of each pump.	
	Type & make of pump.	
	Capacity & No: of grease tank.	
	Piping material.	
	Number of grease distributors.	
	Number of points fed by grease.	
31	Compressed Air System if needed	N.A.
	Number of compressor.	
	Type of compressor.	
	Maximum pressure.	
	Rating of motor	
	Number of Air receiver.	
32	Cooling Water System	
	Source --- penstock tapping preferred.	
	Capacity of duplex strainer.	
	Material and size of strainer element.	
33	Dewatering System	
	Number of Pumps.	penstock tapping / tail race pumping
	Type.	S.S. 200 microns

	Discharge of each pump.	
	Total dynamic head.	
34	Drainage System	2 (1 main + 1 stand by)
	Number of drainage Pump.	Uni built / submersible
	Type of drainage pump.	*
	Discharge of each pump.	*
35	Heaviest Package of Shipment	
	Name	2 (1 main + 1 stand by)
	Weight.	Uni built / submersible
	Dimensions.	*
36	Largest Package for Shipment	
	Name.	Draft tube / Refer generator datasheet
	Weight.	~ 7000 Kg
	Dimensions	~(4500 x 3200 x 3800) mm
37	Heaviest Assembly to the lifted by power house crane	As above clause no. 35
	Name.	
	Weight	
	Dimensions	
		As above clause no. 35

Note: "~" Indicates approx values.

"*" Indicates that it will be furnished after detail engineering.

B. GENERATOR

1	Name of manufacturer.	Jyoti limited
2	Type of reference.	Brushless Synchronous Generator
3	Speed and direction of rotation. when viewed from side opposite to turbine.	750 RPM/As desired
4	a) Normal voltage between phases.	3300 V
	b) Voltage variation.	+/- 8 %
5	a) Frequency.	50 HZ
	b) Frequency variation	+ 3 % / - 5 %

6	a) *Guaranteed rated output and total losses of each generator when operating at rated voltage of 3300 V. frequency. 50 Hz. p.f. 0.866 under excited (lagging) and temperature rise limited to zone a)-operation	1674 kVA / 1450kW Total losses 76.0 kW
	Guaranteed data about each generator output and losses at full load in KVA @ 0.866 P.F. under excited when continuously operating under Zone-B	1674 kVA / 1450kW
7	Rated Power factor.	0.866 Lag
8	Guaranteed maximum temperature. Rise for output guaranteed in item 7 above over ambient temperature of 450C.	
	Stator winding by RTD/ ETD.	85 0C
	Rotor winding by resistance.	85 0C
	Bearing by RTD	On detail engineering
9	Guaranteed maximum output under temperature rise as specified in the specifications under rated conditions.	110 % Load
a	Stator winding by RTD/ ETD.	105 0C
b	Rotor winding by resistance.	105 0C
c	Bearing by RTD/ ETD.	On detail engineering
10	Guaranteed weighted average efficiency of each generator at rated voltage p.f. , frequency and 75 e winding temperature computed by the 'summation of losses method in accordance with. IS 4889-1968 Subject to tolerance in IS: 4722-1968	
a	*Bonafied efficiency at	%
	110% full load	95.5
	100% full load.	95.5
	75 % full load.	95.0
	50% full load.	94.5
	*Guaranteed weighted average efficiency	

	$(0.23 \times 110\% + 0.52 \times 100\% + 0.16 \times 75\% + 0.09 \times 50\%)$	
11	Inherent regulation i.e. increase in voltage at constant speed and excitation on taking of	+/- 1.5 % with AVR
	110% full load	
	100% full load.	
	75 % full load.	
	50% full load.	
12	Generator reactance's	Subject to IS tolerance
a	Synchronous reactance	
	i) Direct axis	<125 %
	ii) Quadrature axis.	On detail Engineering
b	Transient reactance	On detail Engineering
	i) Direct axis	
	ii) Quadrature axis.	
c	Sub transient reactance.	On detail Engineering
	D Axis	
	Quadrature axis	
13	Negative phase sequence reactance.	On detail Engineering
14	Zero phase sequence reactance	On detail Engineering
15	Resistance of armature winding per phase.	On detail Engineering
16	Resistance of field winding.	On detail Engineering
17	Generator time constant.	On detail Engineering
	i) Direct axis transient open circuit	
	ii) Direct axis transient short circuit.	
18	Generator characteristics curve.	On detail Engineering
	i) Open circuit saturation curve.	
	ii) Short circuit saturation curve.	
	iii) Full load saturation curve at rated power factor.	
19	Short circuit ratio	>0.8
20	Synchronizing power at KV rated load 50	On detail Engineering

	Hz. 0.866p.f. under excited(lagging.)	
21	Flywheel effect of	3400 kgm2
a	The rotating parts of the generator	
b	Flywheel GD2	
22	Duration for which all part are guaranteed to withstand safely maximum runaway n speed.	15 minutes
23	Guaranteed minimum factor of safety based on yield point of material under runaway/short circuit conditions and name & location of part having the minimum factor of safety.	1.5/Pole screw/Dovetail
24	Maximum I x R value.	<20
25	Inertial constant.	On detail Engineering
26	Maximum runaway speed which all parts are guaranteed to withstand for 15 minutes.	
27	Embedded temperature detectors	
a	Number.	6
b	Type.	PT-100, Simplex
28	Excitation Equipment.	
a	Name of the manufacturer	Jyotii Ltd /Equiv.
b	Type	Electronic
c	Accuracy of voltage regulation	+/- 1.5%
d	Range of voltage level setting.	+/- 10 %
e	Range of compounding/reactance Drop compensation.	0 – 4 %
f	Range of control in auto mode.	+/- 10%
g	Range of control in manual mode.	+/- 10 %
h	Frequency range of operation	+/- 5 %
i	Excitation power feed	From generator terminals
j	Maximum continuous current. rating.	10 A
k	Normal voltage.	45 V
l	Ceiling voltage	140 %

m	Response time.	< 1 sec
n	Ambient temperature	45 Deg C
o	Protection class of excitation cubicles	IP-31
29	Field current for full load on generator at rated power factor & terminal voltage	
30	Stator.	
A)a	Material of stator core	Low loss silicon steel sheet
b	Insulation 'of laminations.	Varnish coated
c	Number of sections in which stator is divided for transport, if required	-
d	Insulation of winding	Class-F
e	Maximum temperature rise.	Refer earlier clause
B) a	Generator Stator Barrel	On detail Engineering
a	Height.	
b	Inside dimensions.	
31	Rotor:-	
a	Construction of field poles.	Laminated
b	Method of attaching field pole.	Bolted/Dovetailed
c	Rotor material & construction.	MS
d	Field winding construction.	Strip on Edge
e	Insulation of field winding	Class-F
f	Construction of damper winding	Connected
g	Air gap.	On detail Engineering
h	Diameter of assembled rotor	On detail Engineering
i	Factor of safety at maximum runaway speed based on yield point of material	1.5
j	Maximum temperature rise of field Winding when operating at rated conditions	Refer earlier clause
32	Generator Coolers	Not Applicable
a	Number of air coolers.	
b	Number of oil coolers.	
c	Cooling water requirement	
d	Cooling water pressure. 34. Bearing	

33	Bearing	On detail Engineering
i)	Thrust Bearing	
a	Type	
b	Number--one.	
	Bearing oil specification.	
c	Quantity of oil required for first filling.	
d	Location	
e	Number of thrust pads	
g	Bearing I/D	
h	Bearing O/D	
i	Total load on thrust bearing	
j	Type of oil coolers	
K	No. of oil coolers.	
II)	Guide Bearing DE	On detail engineering
a	Type	
b	Location	
c	Bearing journal diameter.	
d	Bearing pad size.	
e	No. of pads.	
III)	Guide Bearing NDE	On detail engineering
A	Type.	
B	Location.	
C	Bearing journal diameter	
D	Bearing pad size.	
E	No. of pads.	
F	No of oil coolers	
I	Lubricationsyst0m oil specification	
II	Amount by which rotor must be raised to the thrust bearing.	
34	Generator Brakes	On detail engineering
a	Type and mode of operation.	
b	Speed at which brakes are applied.	
c	No. of brakes.	
d	oil pressure of brakes.	

35	Main Shaft	
a	Material	Forged shaft
b	Details of coupling flange.	Bare shaft extension suitable for flexible coupling
c	Total weight	-
36	Weight of generator rotating parts.	10000 kg (approx)
37	Weight of complete generator	21000 kg (approx)
38	Enclosure	IP 01
39	Cooling	IC 01

Annexure – 3
LIST OF PROPOSED SUB - CONTRACTOR'S / VENDOR'S
& MAKES OF MAJOR EQUIPMENTS

S. NO.	ITEM	PROPOSED SUB-CONTRACTORS / VENDORS
1.	Turbine	Jyoti Ltd.
2.	Generator	Jyoti Ltd.
3.	Main Inlet Valve(Butterfly Valve)	Jyoti Ltd. / R&D Multiple / Unique
4.	Governor	Jyoti Ltd. / AIMS
5.	AVR	Jyoti
6.	Oil Pumping Unit	Yuken India Ltd. / Bosch Rexroth (India) Ltd. /Concepts hydro Pneumatics Pvt. Ltd.
7.	Power & Auxiliary Transformer	T & R Ltd. / Kirloskar Ltd. /Atlanta Elect. Pvt. Ltd.
8.	Isolator	Danke Electricals Ltd. / Elpro/ Elektrolites Power Pvt. Ltd.
9.	Power & Control Cable	Universal Cables. / Diamond Cables Ltd. / Polycab Wires Pvt. Ltd / KEI Industries Ltd./Finolex
10.	CT/PT	M/s JSL Industries Ltd.(Jyoti Ltd.) / M/s Lamco Industries Pvt. Ltd. / AE
11.	Lightning Arrestor	M/s Lamco Industries Pvt. Ltd. / Oblum Electrical Industries Pvt. Ltd. / Elektrolites Power Pvt. Ltd.
12.	Control, Metering, Annunciation and Control Panel, (UCB) ACDB	Electronic Systems / Concepts hydro Pneumatics Pvt. Ltd. / ABM Energo Engineers / Control & System Electric Ltd. /SS Control system Aurangabad
13.	PLC / SCADA System	GE Fanuc/Allen Bradley/Siemens
14.	3.3 KV Switchgear Panel(NGT & LAVT Cubicle Panel)	Jyoti Ltd.
15.	Metering	AE / Rishab / Meco
16.	Synchronizing Relay	AREVA T&D INDIA LIMITED / Control & System Electric Ltd.
17.	Numerical Relay	Control & System Electric Ltd. /Eqv. / GE Multiline / ABB
18.	Fire Protection	Unitech Pvt. Ltd. / Active/ Futech
19.	Crane	Safex / Techno/ Transpade.
20.	Gear Box	Walchandnagar / Triveni / Elecon

Annexure – 4
SPARES & TOOLS

S. No.	Description	Qty.
1	2	3
1.0	TURBINE AND AUXILIARY EQUIPMENTS	
1.1	TURBINE	
	Fully machined guide vanes with levers, bushes, housing	2 Nos.
	Gasket, seals & packing of each type	N.A.
	Packing rings for shaft gland.	1 Set
	Piston rings for guide vane servo motors.	1 Set
	Shear pins for the guide apparatus.	1 Set
	Standard spares for centralized grease lubrication system as per recommendation	N.A.
	Top cover drain pump motor set	1 No.
	Pressure gauge of each type.	1 No.
1.2	GOVERNOR AND OIL PRESSURE SYSTEM	
	Oil pump complete with motor	1 Set
	Pilot and control valve complete.	1 Set
	Transducers	N.A.
	Printed circuit boards used for speed and guide vanes limit setting.	1 Set
	Pump unloaded and safety relief valve	1 Set
	Setting potentiometer of each type used.	N.A.
	Float switches, pressure, and flow and temperature relays of each type used.	1 Set
	Solenoids for each type of solenoid valve used.	1 Set
	Fuses of each type used.	2 Sets
	Each kind of filter used.	2 Sets
	Complete set of all packing, gasket and jointing material used.	2 Sets

	Ten percent (10%)fallouts, screws, nuts and washers upped and including M30	2 Sets
1.3	MAIN INLET VALVE(BFV)	
	seal with all fixing	1 Set
	Servomotor piston rings and packing.	1 Set
	Control solenoids of each type used.	1 Set
	Flow relay and manostat of each type used.	1 Set
	Limit switch of each type used.	1 Set
	Valve of each type used.	1 Set
	Necessary recording charts for one year operation.	N.A.
	Complete set of all packing, gasket and jointing material used thorough out the valve.	1 Set
	Ten percent (10%) of all bolts, screws, nuts and washers upped and including M30.	1 Set
1.4	DEWATERING AND DRAINAGE SYSTEM (common for Station) Standard spares for pumps & motors.	1 Set
1.5	COOLING WATER SYSTEM. Standard spares for pumps & motors.	1 Set
2.0	GENERATOR	
	Stator coils with insulation details & wedges.	N.A.
	Field coils with insulation details.	N.A.
	Thrust bearing pads & journal pads	1 Set.
	Dial type thermometers.	2 Nos.
	Thermostat.	4 Nos.
	Heater element.	1 Set.
	Brake shoe.	1 No.
	Air cooler unit.	N.A.
	Plug in type oil cooler unit for combined thrust & guide bearing.	1 No.
	Plug in type oil cooler unit for separate guide bearing.	1 No.
	Brush holders.	N.A.
	Carbon brushes.	N.A.
2.1	AVR MODULE	1 Set
3.0	3.3KV SWITCHGEAR.	
	Bus insulations.	12 Nos.

	Epoxy seal of bushings.	3 Nos.
	Lightening arrester.	1 No.
	Surge capacitor.	1 No.
	3.3KV/110V Voltage transformers for DVR. V3 V3	1 No.
	3.3 KV/110V Voltage transformers for metering. V3 V3	1 No.
	3pole, 5A, MCB.	1 No.
	Isolating link.	6 No.
	C.T's of appropriate rating for Generator Differential Protection, metering, over current.	6 Nos.
4.0	GENERATOR, TRANSFORMER, FEEDER SYNCHRONISING PANEL.	
	Double beam 10Mz cathode ray oscilloscope.	N.A.
	Semaphore indicator.	4 Nos.
	ODL lamps.	6 Nos.
	Auxiliary relays.	16 Nos.
	Fuse & links of various rating.	50 Nos.
	Switches.	5 Nos.
	Push button.	8 Nos.
	Spare for annunciation.	4 Nos.
	Digital timer, external plug type relay meter.	1 Set.
	MCB, Rheostat.	1 Set.
5.0	SUPERVISORY CONTROL AND DATA ACQUISITION(SCADA)	
	Relay Protective Relay Auxiliary Relay.	1 of each kind. 10 of each kind.
	Moulded Case circuit breaker	1 of each kind.
	Meter	1 of each kind.

	Ink and pen for recording	5 bottles of ink. If applicable
	Fault ,operation and Symbol indicator assembly	5 of each kind.
	Lens for Symbol	5 of each kind.
	Indicating lamp	10 %of installed quantity.
	Process input output	2 of each kind.
	Fuse	10 of each kind.
	Recording chart and Ribbon for logging printer	50 rolls & chart and 10 strips of ribbon.
	Recording Chart and Ribbon for line printer	50 rolls & chart and 10 strips of ribbon if applicable
	Control selector and Cut off switch	1 of each kind.
	Plug-in type connection accessories	1 of each kind.
	Temperature detector	2 of each kind
6.0	POWER & AUXILIARY TRANSFORMER	
	HV bushing	2 Nos.
	LV bushing	2 Nos.
	Gasket	1 Set
7.0	3.3 KV SWITCHGEAR	
	Closing coil and trip coil	1 no of each
	Spring charge motor	1 No.

8.0	415 V A.C. SWITCHGEAR PANEL	
	Closing / Tripping coil	2 Nos.
	Fuses of each type	1 No of each
	Contactor	1 No of each
9.0	110 V DC Battery & Battery Charger	
	Battery cells	2 Nos.
	Top Cover	1 No.
	Indicating lamps of each type	10 Nos.
	Nut, bolt and washers	2 sets
10.0	Cable	
	Cable Lugs	1 Lot
11.0	EOT Crane	
	Pair of brake shoe	2 sets
	Pair of brake lining	1 set
	Thruster of each size	1 No.
	Carbon brushes & holding for motor	1 set
12.0	DG Set	
	Fuel filter elements	2 Nos.
	Oil filter elements	2 Nos.
	Fan belt	2 Nos.

Maintenance Tools and Tackles

Following is a list of maintenance tools and tackles to be supplied by you.

S.No.	Description	Unit
1.	1 KV Hand operated meggar	1 No.
2.	500V Hand operated meggar	1 No.
3.	Analog multi meter	1 No.
4.	Digital multi meter with temperature measuring facility	1 No.
5.	Phase sequence meter.	1 No.
6.	Timer(ms)	1 No.
7.	Set of plain /flat (double ended) spanner.	1 Set.
8.	Set of ring spanner	1 Set.
9.	Set of Torque spanner	1 Set.
10.	Set of screw driver	1 Set.
11.	8" pliers.	1 Set.
12.	Hydraulic crimping tool up to 400 Sq.mm	5 Nos.
13.	Hand crimping tool upto 16Sq.mm	1 Nos.
14.	300A capacity clip ON type Ammeter	1 No.

Note: All the spares and tools shall be supplied for every project as applicable.

Annexure – 5
Terms & Conditions

- 1) **Contract Price:** Rs 41070000 /-
(Rs Four crores ten lacks seventy thousand only)

The above price is included of supply of equipments, freight & insurance (inclusive of 12 months after commissioning), Erection & Commissioning, Supervision of O&M for six months, Excise Duty, service taxes on erection & commissioning & Sales tax & all other statutory taxes if any.

2) **Scope of Supply:**

- 2.1) Scope of supply will be exactly as mentioned in our Work order and your quotation. All material used shall be the best. The whole of the work shall be of the highest class, well-finished and approved design and make. The supplier shall be solely responsible for the procurement of material required for purpose.
- 2.2) All fittings or accessories which may not have been specifically mentioned in the specification but which are useful or necessary or usual for the effective working of the equipment are assumed to be include in the specification and shall be provided by you without any extra charge.

3) **Delivery:**

- 3.1) Delivery of equipments including transport, loading & unloading shall be completed as per the schedule which will be strictly co-ordinated to provide the material in the system without hindering the projected progress of completion. The supply schedule will be prepared by you based on letter of Authorization, T/C target With Respect to agreed schedule). Jyoti shall submit drawings in Four weeks of placing the order and drawing approval by the customer shall be completed in Two Weeks time. Erection and commissioning shall be 2 -3 months after delivery of equipment.
- 3.2) No machinery and equipment shall be dispatched by you prior to inspection and approval by us / our client's inspection agency or before receipt of written dispatch instructions from us. You shall give a two week's notice period for arranging such inspection. Manufacturers test report will be submitted for approval by us /consultant as per stages of manufacturing

4) **Payment Terms:**

The payment shall be made in Indian rupees as per following schedule.

For Supply

- 4.1) 10% advance against B.G. from Jyoti Ltd.,
4.2) 70% including taxes after supply of E & M equipment at site duly approved by us/consultant

4.3) 10% on erection of E & M equipment. Based on item wise installation duly approved by us/consultant.

4.4) 10 % on commissioning against B.G.up to warrantee period of 12 months.

Liquidated Damages:

4.5 In case the delivery of all the equipment and part thereof is delayed beyond four weeks from the agreed delivery period, the buyer shall have the right to deduct a penalty in the form of liquidated damages @ 0.5% per week subject to maximum 10% of the un-delivered portion of the order value. The completion date shall be considered the date of final inspection and acceptance by buyer's inspector. Once the "Maximum" is reached, the Buyer may consider termination of the Contract.

4.6 The deduction of the penalty shall not relieve you of any other clauses and obligations under this contract.

5 Erection and Commissioning:

5.1 You shall depute sufficient manpower (engineers) at site for Erection and commissioning of supplied equipments till approval by us / consultant

5.2 The Period for handling over of each project will be 14 months maximum from purchase order from SAPL

6 Taxes and Duties

6.1 Excise Duty:

Included in the contract price at present rate of 10.30%.

(Excise Duty will be paid by you and same will be refunded to you subject to receipt of same from related Govt authority. However coordination for refund activity to be extended by Jyoti wherever it is required. However the responsibility of getting refund lies with SAPL. The Excise amount will be paid to you by us in case Excise Duty tax refund activity gets delayed beyond 6 months of last supply invoice).

6.2 Sales Tax:

Included in the contract price at the rate of 2% against form "C". In case form is not issued by SAPL applicable full tax will be paid by us. However 2% of this amount will be deducted as considered in contract amount.

6.3 Service tax

Included in the contract price at the rate of 10.30% .

6.4 Any statutory change in tax structure will be borne by us with documentary proof. Octroi if applicable will be paid by SAPL

7 Warranty:

- Goods offered by you are warranted for their satisfactory operation for a period of 12 months from the date of commissioning. The end of 72 hours continuous run of the machines at full load shall be considered as handing over and the start of warranty period. In case full load is not available such test will be mutually discussed with our consultant for the purpose of acceptance of system.

During the warranty period you will undertake the repair of any defect due to inadequate design, defective material / workmanship, abnormal wear and tear of parts at your own cost, on receipt of such intimation from us.

- If it becomes necessary for you to replace or renew any defective portion of the equipment under the provision of this clause you shall give warrantee for the portion of the equipment so replaced or renewed until the expiration of Twelve (12) months from the date of such replacement or renewal. If any defects were not remedied within a reasonable time, buyer may proceed to do the work at your risk and costs, after notifying you, but without prejudice to any other terms of the order.
- You will furnish the repaired or new parts free of cost. If any repair is carried out on your behalf at the site, you shall bear only the actual cost of repair. Period for such repairs will be mutually finalized before taking up the repair work.
- The acceptance of the equipment by the buyer shall in no way relieve you of obligation under this clause.
- In the case of those defective parts which are not repairable at Site but essential for the commercial operation of equipment, parties shall mutually agree to the program of replacement or renewal which will minimize the interruption to the maximum extent, in the operation of the equipment.
- The provision contained in the clause will not be applicable in case of normal wear and tear. The details will be furnished by JL to us for approval as specifically mentioned in the technical specifications. In such case preventive maintenance will be implemented as per guideline from you to avoid breakdown.

8 REPLACEMENT OF DEFECTIVE PARTS AND MATERIALS

- During the progress of the works, if SAPL notices that you have supplied the equipment unsound, imperfect or inferior to the quality specified, buyer shall notify you. On receiving details of such defects and deficiencies, you shall, at their own expense, and within 15 days of receiving the notice or otherwise within such time as may be reasonably necessary for making it good, arrange to rectify such work or furnish fresh component or assembly up to the standards of specifications.
- In case you fail to do so, buyer may, on giving fifteen (15) days notice in writing of seller's intentions to do so, proceed to rectify the defects and deficiencies or replace the defective material. All such repairs and replacement shall be carried out at your risk and costs, but without any prejudice to any other terms of the order.
 - **Civil work** – You will provide civil, hydro mechanical, electromechanical design and drawings for the project
 - **GTP Turbine / Generator** - You will submit GTP for approval
 - **GTP for key bought out items** – You will submit vendor GTP for approval

9 DOCUMENTATION.

- Technical Documentation
 - a) Quality Assurance Plan for our approval
 - b) Loading data for preparing civil drawings for foundations.
 - c) Electrical drawings
 - d) GA Diagrams of Power house and other equipments
 - e) Operation and Maintenance Manuals
 - f) Test Certificates and Inspection certificates.
 - g) Other such documents which are identified during E/T/C of the system if required

Two Full sets of above documents in hard print

10 QUALITY ASSURANCE PLAN AND INSPECTION PROCEDURE

- You shall submit your QAP within 15 days from the date of the purchase order. The QAP submitted by you will be subject to further discussions and approval. Approval of QAP shall be followed by establishing customer hold points (CHP) for the QAP.
- Buyer will do inspection, their representative or any third party appointed by the buyer. The inspection will be done in accordance to the agreed QAP.

- Buyer intends to depute their inspector at your works all throughout the manufacturing period, based on periodical inspection stages mutually finalized, in order to save time for inspections. You shall give adequate advance notice to the inspector appointed by the buyer so that the inspection where CHP has been agreed is completed within agreed period. The further manufacturing can be taken up only after the CHP is cleared. In case the buyer's inspector is not available for the inspection after such notice has been given, the manufacturer will proceed with further manufacturing and submit the inspection reports to buyer for records. If the inspection reports are acceptable in accordance the agreed QAP norms, the buyer's inspector shall clear the CHP within 24 hours from the time the inspector receives the inspection reports.
- You shall give 10 days inspection call notice for final inspections. Internal inspection reports, all test certificates and necessary documents required as per approved quality plan shall be submitted at the time of inspection.
- All the documents before and after the inspection shall be issued in hard as well as soft copies. Final inspection reports after the signature shall be sent to us by e-mail to obtain necessary dispatch clearance from Buyer. No equipment can be dispatched until the required inspection procedure is completed and CHP clearance is obtained from the Buyer's inspector.
- You shall at your own expenses perform shop tests and inspection according to Test and inspection procedure as per QAP, and within five days after test and inspection, you shall submit to buyer the data reports and information according to the details agreed in the technical specifications.
- The result of such test, inspection, approval by buyer or its representative or the third party appointed for inspection and presentation of such documents as mentioned above shall not release you from your responsibilities and liabilities under this order.
- Buyer and/or Third parties duly assigned, including the representatives of any governmental agency or authority shall have the right to frequent access to you or your Sub-vendors workshop during manufacturing or before shipment to ensure compliance with the provision of the Specifications, or to witness the manufacturer's inspection and/or test. The access will not be allowed to the design department. But if required the discussion can be made in this related matters with design department.
- In the case that, for any reason whatsoever, the product fails to meet, in any respect the requirement mentioned in the purchase order, you shall make correction or alteration necessary for meeting the requirements and carry out any test required or check the effect of such correction or alteration at your own risk and account.
- In case buyer / third party rejects any Products as a result of inspection, examination or testing, you shall then make all possible efforts to repair in order to make the rejected parts comply with the order. If buyer / third party requires such repaired parts to be retested, the tests shall be repeated under same terms and conditions in the same location and all the costs incurred with such inspection shall be born by you.
- When the parts / equipments supplied by you have successfully met the requirements of the order documents as a result of the field test, inspection

and/or operation test of the parts / equipments that have been carried out after erection and/or installation, thereof at the site, buyer shall accept the parts / equipments.

- 11 **Painting** : Painting shall of best quality. Good aesthetics shall be achieved.

All fabricated items shall be shot blasted, surface preparation shall be done and painted with 2 quotes of primer and 2 quotes of epoxy paint.

12 **FORCE MAJEURE**

- For the purposes of this order, "Force Majeure" means an event which is beyond the reasonable control of a both Parties, and which makes a Party's performance of its obligations hereunder impossible or so impractical as reasonably to be considered impossible in the circumstances, and includes, but is not limited to, war, riots, civil disorder, earthquake, fire, explosion, storm, flood or other adverse weather conditions, strikes, lockouts or other industrial action (except where such strikes, lockouts or other industrial action are within the power of the Party invoking Force Majeure to prevent), confiscation or any other action by government agencies
- Force Majeure shall not include (i) any event which is caused by the negligence or intentional action of a Party or such Party's Sub contractors or agents or employees, nor (ii) any event which a diligent Party could reasonably have been expected to both (A) take into account at the time of the conclusion of this Contract and (B) avoid or overcome in the carrying out of its obligations hereunder;

13 **No Breach of Contract**

The failure of a Party to fulfill any of its obligations hereunder shall not be considered to be a breach of, or default under, this Contract insofar as such inability arises from an event of Force Majeure, provided that the Party affected by such an event has taken all reasonable precautions, due care and reasonable alternative measures, all with the objective of carrying out the terms and conditions of this Contract.

14 **Measures to be taken**

- Any Party affected by an event of Force Majeure shall take all reasonable measures to remove such Party's inability to fulfill its obligations hereunder with a minimum of delay.
- A Party affected by an event of Force Majeure shall notify the other Party of such event as soon as possible, and in any event not later than fourteen (14) days following the occurrence of such event, providing evidence of the nature and cause of such event, and shall similarly give notice of the restoration of normal conditions as soon as possible.
- The Parties shall take all reasonable measures to minimize the consequences of any event of Force Majeure.

15 Extension of Time

Any period within which a Party shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result of Force Majeure.

16 ERECTION AND SITE ACTIVITIES

- You shall depute your supervisor and technicians to project site for assembly, erection, commissioning and testing of E&M equipments and stage wise periodical supervision for CIVIL/HYDRO MECHANICAL work execution and for obtaining related necessary clearances of our project consultant. Sufficient manpower shall be deployed till all the assembly, erection, commissioning and testing activities for the hydel sets have been completed
- The number of persons and their schedule for the deployment to site shall be mutually discussed based on the site progress. However, you shall ensure that anytime adequate manpower is available and site activities are not affected due to the shortage of the manpower from you.
- During the O&M of the Plant , contractor shall depute competent technical person for supervision of Operation. First Filling of consumables will be done by your end up to commissioning of the whole system. All the consumables like oil, grease etc shall be arranged by purchaser during the period.
- Space for temporary storage of equipment to be provided to the contractor free of cost.

17 SETTLEMENT OF DISPUTES

- Amicable Settlement

The Parties shall use their best efforts to settle amicably all disputes arising out of or in connection with this Contract or the interpretation thereof.

- Dispute Settlement

- Any dispute between the Parties as to matters arising pursuant to this Contract which cannot be settled amicably, then the disputes shall be settled by arbitration in accordance with the following provisions
- Should at any time a dispute or difference of opinion arise with respect to this contract or the obligations hereunder between the Buyer and the Seller, either party shall as soon as practicable, give to the other party notice in writing of the existence of such dispute or difference of opinion specifying its nature and point at issue, and the parties hereto shall first endeavor to solve such dispute or difference of opinion in an

amicable manner.

- Arbitration proceedings shall be conducted in accordance with the rules of procedure for arbitration of the INDIAN Law in force on the date of this Contract and the official language for Arbitration purposes shall be English.
- The award of arbitration shall be final and binding on the Parties, Pending the decision on a dispute from arbitration the Seller / manufacturer shall proceed diligently with the performance of the Contract on the part of work not affected by the dispute.

18 SPARE PARTS

- The spare parts ordered shall comply with the requirements of main technical agreement / specifications.
- The quality standards and checks applicable for the main equipments shall also be applicable for the spares to be supplied.
- The details list of the spare parts listed shall be as per the attached list.
- All the spares shall be original spares and same as those used on equipment supplied. Spares shall bare certificate of supplier
- All spares shall be packed separately and clearly marked as spares with packing list inside and out side with 3 copies send to purchaser.
- Spares shall be stored separately.

19 CHANGES IN SPECIFICATIONS

Seller / manufacturer shall not make any changes in the specifications that are agreed in Technical Agreement and first liaison meeting when the concept design and basic specifications will be finalized unless a written consent is obtained from Buyer. Such change may be accepted only if seller / manufacturer is able to justify that the change/ (s) desired by them have been necessitated due to the technological developments and for the betterment of the design.

20). STATUTORY APPROVALS:

All the statutory approvals shall be obtained by purchaser. Contractor shall depute their technical personal for any discussions as and when required for obtaining the approvals. Contractor shall also submit the necessary drawings/technical documents for obtaining the approvals.

21). CONFIDENTIALITY

Definition of the Confidential Information

Confidentiality information in this contract means any and all technical, financial or commercial information stated by either party to be confidential or confidential in nature, provide, however, that the term of Confidential information shall not include any information which:

- a) Was already known to the receiving party at the time of disclosure by or on behalf of the other party.
- b) at the time of disclosure to a party is of literature or other sources or knowledge accessible to the public or which after such disclosure becomes part of literature or other sources of knowledge accessible to the public, without the culpable negligence or action of the other party, its employees or third parties it is responsible for or
- c) was available to the receiving party from a source other than the disclosing party or
- d) is developed by a party independently of any information disclosed by or on behalf of the disclosing party

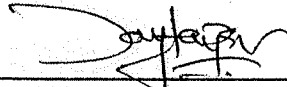
22). Consignee address:

Details will be furnished at latter stage.

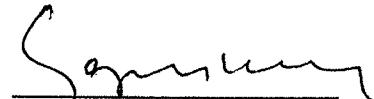
Our VAT TIN NO: - 27860046035 V
 CST NO: - 27860046035 C
 SERVICE TAX NO: - AAHCS7405BST001

23). Secrecy:

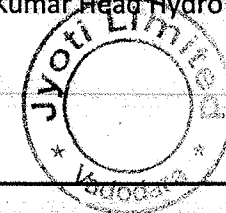
Technical information, drawings, specifications and other related documents forming part of this order are the purchaser's property and shall not be used by seller for any other purpose except for the execution of this order. Without the purchaser's consent in writing, the technical information, drawings, specifications and other documents shall not be duplicated, modified divulged and/or disclosed to third party for misused in any other form what so ever by seller except to the extent required for the executions of this order.



(Mr. Jagtap Sarang – GM (Admin))
 For Shreehari Associates Pvt. Ltd.



(Mr. Ganesh Kumar Head Hydro Div)
 Accepted
 For Jyoti Ltd



WORK ORDER

84

Ref: SAPL\WO-024-KJEE-MUKANE\2014
Date: 29th May, 2014

K.J.ELECTRO ENTERPRISES.

13, Sandipani Co.op Society
Behind M.E.S Society, Vijaynagar
Deolali Camp
PH NO:- 9423482402
Email ID:- kjelectro@rediffmail.com



SUB:	Name of Project	MUKANE (1 x 1450KW) HYDRO ELECTRIC PROJECT AT IGATPURI DIST. NASIK.
	Name of Work	Suspension Line work for Mukane Hydro Project.
	Ref	Your revise quotation received dated 22.05.2014

Dear Sir,
We are please to place the Amendment no 01 for the following items for our above project at Mukane, at Nasik.

Sr. No.	Particulars	Unit	Quantity	Estimated cost(Rs.)	Reference MSEDCL
1	PART -I 33 KV Feeder Bay	No.	1	985945.00	Annexure-1
2	Part -II 33 KV Line from PH to Sub - Station.	Km.	2.5	1923441.02	Annexure-2
3	PART- III : Double Pole Structure (cut point) OF- 33 KV Line Using 11 M Long RSJ Pole	No.	1	756270.00	Annexure-3
4	Part - IV - Metering arrangement at Sending end (Generation input) Main, additional Check and s/s end	No.	1	1826275.00	Annexure-4
				5491931.02	
5	Laisoning Charges	No.	LS	300000.00	W/O
Total Cost				5791931.02	
Amount in words@Rs: Fifty seven Lakhs Ninty one Thousand nine Hundred Thirty one only)					
Details of cost break up as per annexure attached					

a)	Material Transportation, Erection & Supervision Charges	20%		1098386.20
b)	Taxes Vat 5% & 12.5 % on purchase of material as Applicable			0.00
c)	Service tax @ 12.36% Applicable			0.00
Total Cost				6890317.23

Technical Terms & Conditions:

- The work to be carried out with approved (MSEDCL-sanction of technical estimate for evacuation of 1.45 MW power scheme at 33 kv voltage level on 33/11kv padali S/s)
Letter Ref No: SE/NSKR/T-VII/mukane SHP/No.2709**
- Inspection through AE/JE/EX ENGR OF MSEDCL and other competent authority till the commissioning of work. All expenses towards laisoning with local authority, persons any with all over heads & profit etc for the work Contractor to submit the insurance of material till defect liability period.
- Contractor to take care of his man & material against material theft & personal injury while working on MSEDCL system. Contractor is totally responsible for the same.
- Contractor shall provide insurance cover for the contractor's workmen and insurance for material.
- SAPL will not liable to pay any amount to the party /Agency/person with whom contractor shall be dealing while executing said scope of work contractor to make his own arrangement to make payment to concerned party/agency person.
- Incase contractor damages any of the SAPL's or an other agency's property or person while executing the work contractor shall own fully responsible of the same and make good the loss
- Retention amount will released after completion of defect liability period, starting from the last date of issuance of handing over certificate by MSEDCL.
- Defect liability period will be as per requirement of MSEDCL from date of final completion certificate repairs of such defects observed during period shall be contractors responsibility and its cost will be recovered from contractor if fails. Contractors have to submit the final completion/clearance certificate from MSEDCL after completion of defect liability period before settling final accounts by MSEDCL.
- The bill raised by contractor shall should be according to the joint measurement sheet certified by SAPL person.
- Contractor will charged extra against use of SAPL available resource
- Entire work of 33 KV line of Mukane HEP completion period as per activities up to handling over is up to 15 July 2014.



Other Term & Condition

1. You will mobilize the workforce immediately intimating SAPL site-in-charge.
1. Taxes will be paid extra as applicable which is included in final amount .
2. Final Billing shall be after completion of work. and as per specific requirement for releasing running bills approved by site-in-charge.
3. **Billing will be done as per actual material quantity used & measurement taken on site certified by site-in-charge.**
4. Your workers to follow the safety instructions strictly. Accidents responsibility to your scope. You will submit related documents (insurance and undertaking letter)
5. Labor employment will be as per statutory regulations and related documents to be submitted to SAPL H.Q. for record. No child labour will be allowed to work at site.
6. 5% security deposit will be retained. which will be released after completion of defect liability period which is of 1 year after the date of completion of work.
7. Supply, Design, Preparation of Drawings , Liasoning, Sanctioning from MSEDCL, Site Feasibility co-ordination , Erection, Transportation, Testing ,Commissioning, final grid connectivity activity till handing over ,,
8. You will submit all Test reports of material supplied for the work
9. You will provide service for 1 year from handing of system including attending break downs, repair work and modification work free of cost. However SAPL will provide related material for the same
10. You will submit as built drawings, technical brochures of items, test reports, approval letter from MSEDCL, Approval letter from Electrical Inspector..
11. You will represent as our team member to MSEDCL, Electrical Inspector and other related Govt. officials.
12. You will confirm scheduled completion so that Power Generation will not affect. You will keep co-ordination with the progress of project activities.
13. Time period :-within Month from the date of work order.

Payments Terms against supply of material.

1. **14.50 %** advance for material supply.
2. **65%** payable against material delivery at site as per MSEDCL Approved signing submission of drawing as per activities .contractor to produce all material test certificate, weight certificate, original invoices etc. after MSEDCL material inspection Approval LETTER BY MSEDCL in name of SAPL as per norms and with documentary support & permission to start the work in name of SAPL.
3. **5%** after completion of erection of entire related package wise activities.33 KV line bay. Metering Kiosks, DP Structures as per MSEDCL approval switchyard entire civil work etc.
4. **5 %** MSEDCL / EI stage inspection & compliance of their norms , quries , attending all quality norms and certification of work and compliance fulfillment by MSEDCL.
5. **5.5 %** Testing and charging of line by EI, MSEDCL and concern officials as per there mandatory norms. after completion of entire work and handing over of line to MSEDCL with all documentary supports, MSEDCL , EI Permissions approvals.
6. **5%** Retention for one year after handing over to MSEDCL.

Payments Against Transportation, Erection & Supervision.

20% on material cost as per completion of entire activity only.

1. 10% after completion of erection of entire related package wise activities.
2. 5% MSEDCL/EI stage inspection & compliance of there norms, quarries, attending all quality norms and certification of work and compliance fulfillment MSEDCL.
3. 5% TESTING AND CHARGING OF LINE BY EI, MSEDCL with all documentary supports, MSEDCL, EI permissions Approval.
4. Taxes-at actual extra as per invoice.

Thanking You,
Your Faithfully

For SHREEHARI ASSOCIATES PVT LTD.

Accepted by

For K.J.ELECTRO ENTERPRISES.

- * Pole erection & line erection must be given first preference .
- * Material procurement must be scheduled according to Site Incharge's disssision .

'1' Sai Vrindavan, Near Mahanubhav Aashram, Paithan Road, Itkheda, Aurangabad - 431 005.

(240) 2376648/49,3205444, Fax - 2376656, E-mail - office@sapl.biz, gmhq@sapl.biz Page 2 of 2

PURCHASE ORDER

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Invoice To
SHREEHARI ASSOCIATES PVT LTD
 1 SAI VRINDAVAN NEAR MAHANUBHAV AASHRAM
 PAITHAN ROAD ITKHEDA AURANGABAD
 CIN :- U45202PN2001PTC16249
 E-Mail : accts@sapl.biz

Voucher No.

1284

Dated

16-Mar-2015

Mode/Terms of Payment

**50% ADVANCE &
 BALANCE 50% AT TIME
 OF DELIVERY FROM**

Quotation No

1284

Despatch through

BY ROAD

Cost Centre

MUKNE HYDRO-1450KV

Destination

MUKANE HEP

Supplier

SHRINIVAS ENTERPRISES & ELECTRICALS
 SURVEY NO. 425, BODKE PLAZA
 SHOP NO. 205, SECOND FLOOR
 NASHIK PUNE ROAD, NEAR JANDE SAW MILL
 NASHIK

Terms of Delivery

DELIVERY:-IMMEDIATE

TAXES:- VAT EXTRA

**FREIGHT:- EXTRA 5% ON MATERIAL BASIC
 COST.**

**ALL MATERIAL TEST CERTIFICATE MUST ALONG
 WITH MAT.**

**FURNISH WARRANTY CERTIFICATE OF ALL MAIN
 ITEM .**

**DOCUMENT TO BE FURNISH FOR MSEDCL
 APPROVAL.**

Sl No.	Description of Goods	VAT %	Quantity	Rate	per	Disc. %	Amount
1	33 KV LIGHTNING ARRESTORS Station Type Make:-Elpro Or Crompton	Nil	1 SET	12,718.75	SET		12,718.75
2	33KV ISOLATORS WITH EB 800A ANY APPROVED BY MSEDCL	Nil	2 SET	66,600.00	SET		1,33,200.00
3	33 KV ISOLATORS WITHOUT EB 800A	Nil	1 SET	66,600.00	SET		66,600.00
4	33 KV VCB COMPLETE 1600AMP O.D 26 KA/ 3sec, 30V DC Control Voltage O/D, VCB With Breaker Mounting Structure Ct Mounting Structure and Terminal Connector With Structure Make :- Crompton	Nil	1 SET	2,31,250.00	SET		2,31,250.00
5	CT200-100/1-1A 33 KV(BURDEN 10 VA,CLASS 0.25) Make:- Lata Power /Mehru	Nil	3.00 NOS	61,050.00	NOS		1,83,150.00
6	33 KV POTENTIAL TRANSFORMER Burden 50 V.A Class 0.2 Make :- Lata Power /Mehru	Nil	3.00 NOS	40,700.00	NOS		1,22,100.00

continued ...

PURCHASE ORDER(Page 2)

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Invoice To
SHREEHARI ASSOCIATES PVT LTD
 1 SAI VRINDAVAN NEAR MAHANUBHAV AASHRAM
 PAITHAN ROAD ITKHEDA AURANGABAD
 CIN :- U45202PN2001PTC16249
 E-Mail : accts@sapl.biz

Voucher No.

1284

Dated

16-Mar-2015

Mode/Terms of Payment
50% ADVANCE &BALANCE 50% AT TIME
OF DELIVERY FROM

Cost Centre

MUKNE HYDRO-1450KV

Destination

MUKANE HEP

Receipt
 etc
 test-
 report
 and
 Performed
 Invoice

Supplier

SHRINIVAS ENTERPRISES & ELECTRICALS
 SURVEY NO. 425, BODKE PLAZA
 SHOP NO. 205, SECOND FLOOR
 NASHIK PUNE ROAD, NEAR JANDE SAW MILL
 NASHIK

Quotation No

1284

Despatch through

BY ROAD

Terms of Delivery

DELIVERY:-IMMEDIATE

TAXES:- VAT EXTRA

FREIGHT:- EXTRA 5% ON MATERIAL BASIC
COST.ALL MATERIAL TEST CERTIFICATE MUST ALONG
WITH MAT.FURNISH WARRANTY CERTIFICATE OF ALL MAIN
ITEM .DOCUMENT TO BE FURNISH FOR MSEDCL
APPROVAL.

Sl No.	Description of Goods	VAT %	Quantity	Rate	per	Disc. %	Amount
7	CONTROL RELAY PANEL WITH COMMUNICABLE PORT	Nil	1.00 NOS	85,562.50	NOS		85,562.50
8	TOD METER /ABT METER Make :- Elster CTR:---/1A PTR:-11KV/V3/110V/V3 CLASS: 0.25 3X63.5V , 50HZ ,3 PHASE 4 WIRE	Nil	3.00 NOS	1,11,000.00	NOS		3,33,000.00
9	HARDWARE & ACCESORRIES Structure and Foundation Cable, Clamp, Bus Bar Material, Control Cable Details:- Item Details with Qty Sheet Attached	Nil	1 SET	1,61,517.50	SET		1,61,517.50
Total							₹ 13,29,098.75

Amount Chargeable (in words)

IR Thirteen Lakh Twenty Nine Thousand Ninety Eight
and Seventy Five paise Only

E. & O.E

Company's VAT TIN : 27860046035V
 Company's CST No. : 27860046035C
 Company's Service Tax No. : AAHCS7405BST001
 Supplier's VAT TIN : 27150889113V
 Supplier's CST No. : 27150889113C
 Company's PAN : AAHCS7405B

for SHREEHARI ASSOCIATES PVT LTD

Purchase Dept.

A/C Dept.

Tech. Dept.

Authorised Signatory



AGREEMENT

This agreement is made on the 05th Dec 2016 at Bangalore, Karnataka.

BETWEEN

SHREEHARI ASSOCIATES PVT LTD, Aurangabad, Maharashtra (here in after called **SAPL**) and having it's Registered office at Plot no.36, Gut no.41, Golewadi, Paithan-Walunj link road, Aurangabad – 431 005 on one part

AND

AAVIS INFRA, having it's office at No.32, 1st Floor, Santrupthi, Motappa layout, Varanasi main road, Near Mother Teresa School, Anandpurs, Ramamurthynagar, BANGALORE-36., a Turnkey Electrical Contractor, having experience in the turnkey HT and LT electrical WORKS (here in after called **AAVIS**) on the other part.

For the work of –

Erection, servicing, pre-commissioning, testing in all respect along with all E & M equipments of Mukane HEP 1 x 1450 KW + 10 % overload at Mukane Dam , Tal – Igatpuri, Dist – Nashik. With supervision, operation & maintenance for 12 months period.

This Agreement is governed by following Terms and conditions:

A. Price for Contract –

1. The total firm price for the work under this Agreement is Rs. 24, 00,000/- (Rupees Twenty four lakhs only), exclusive of Service Tax, as applicable. Out of which Rs.17.5 lakhs has been allocated Erection, service activities and rs.6.5 lakhs has been allocated for O&M for 12 months.
2. The advance of 20% for Erection and Service has been received by us and work has been commenced at site and partially completed. The first RA bill has been submitted.



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Document Sheet

₹ 3/-



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B.SCOPE of WORK.

1. Cleaning, greasing, minor overhauling, operational checks etc of butterfly valve and by pass arrangement.
2. Dismantling, Servicing, overhauling, seal replacement, checking of lubrication etc for up-stream and down-stream shaft seals. Replacement of seals etc.
3. Removal of oil from the tank, cleaning of tank, refilling, servicing of oil pumping unit, filtration of oil, operational checks, wiring checks etc for Turbine OPU
4. Dismantling of oil header assembly, checking of alignments of oil tubes, cleaning, over hauling of header assembly, refixing etc in full.
5. Dismantling of runner chamber, checking of guide vane bed settings, checking/replacement of seals, greasing, alignment of vanes, inspections of runner blade gaps, alignment with respect to gear box and generators, operational checks of guide vane and runner blades, time settings etc in full.
6. Removal of oil from the tank, cleaning of tank, refilling, servicing of oil pumping unit, filtration of oil, operational checks, wiring checks etc for Gearbox lub oil system
7. Over hauling and operational checks of Cooling water system, Dewatering system, Battery and battery chargers, EOT crane etc
8. Supply and installation of LVDT's for runner blade and Guide vanes.
9. Pre commissioning check of GRMP, TACP, Syn, HT brakers, Transformers, assisting for back charging, transformer oil filtration Relay testing's, logic checks etc.,
10. Co-ordination for visit of Governor Engineer, programming of governor, integration with OPU and servo valves etc.,
11. Co-ordination for visit of Service Engineer for PLC, SCADA system and commissioning of SCADA.
12. Commissioning of Turbine Generators, Loading up to full load.



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13. Contractor on priority after receipt of advance form SAPL shall start work and within 35 days' time contractor to coordinate to obtain Electrical Inspector Approval for Mukane HEP in all respect by completing all needful E & M works like switchyard Main & Aux X'mer oil filtration , oil top ups , 3.3 KV generator as well as all HT & LT panel, Both Transformer power Cable termination, all MKN Electrical equipments healthiness check (pre commissioning tests) contractor to prepare needful documents including pre commissioning report and to have technical discussion with EI or MSEDCL for obtaining approval and charging of 33 KV line etc. Contractor to coordinate MSEDCL testing team for MKN PH relay setting and coordination.
14. All needful documents drawings etc as per availability shall be given to contractor in soft copy as per requirement by SAPL. Within 20 days after receipt of advance from SAPL.
15. Any Minor fittings or accessories which may not have been supplied, erected but which is useful or necessary for effective working of equipments are assumed to be included in the scope and shall be provided by contractor without any cost /charge.
16. All needful supply of consumables, all kind of oil, grease , nut bolts, gaskets, o rings , all E & M equipment painting as per standard up to O & M Period
17. Warrantee & Commissioning, operation and Maintenance period : The end of 72 hours continuous run of the machine at full load shall be considered as handing over and start of O & M period. In case full load is not available such test will mutually discussed for the purpose of acceptance of system. The acceptance of system equipment by SAPL shall not relieve contractor under O & M feature. Contractor to take almost care that generation is not lost due to unwanted or deferrable maintenance. Contractor to take care of unduly prolonged maintenance which results in shut down more than 1/2 hrs when generation will possible.



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18. Contractor shall depute manpower as per offer till commissioning and further O & M Period of 12 months. Operation & Maintenance, supervision charges included in offer. During O & M period preventive as well as breakdown maintenance and needful shall be implemented as per guideline to avoid break down. During Non- generation 4 persons will be available. During generation five persons including one engineer two electricians and two fitters.
19. During O & M period contractor to undertake the repair, maintenance of any faulty equipments, defects due to lack of improper supervision, monitoring as well as O & M job at your own without any cost. It is responsibility of contractor to maintain the plant both electrically & mechanically in good working condition till end of O & M Period of 12 months. Contractor to arrange & take care of dewatering at MKn PH after commencement of work.
20. During O & M period incase those equipments which is not repairable (minor Repairs) at site contractor to arrange mutually for needful and put back right for operation. Contractor to take care in all respect of MKN PH resources (like EOT crane any other equipments) during O & M while handling job for repairs & maintenance etc.
21. Contractor to arrange at his own any needful documents for his work. However SAPL shall furnish all available to contractor. Further contractor to prepare and support needful drawings for approval, presentation etc., (For EI , MSEDCL etc.) in 4 sets
22. Plant Operating philosophy, Operating instruction cum manual, as built drawings, final cable schedule to provide by Contractor in 3 sets.
23. Painting: Painting shall of best quality and as per standard color code. All Electrical Equipments including 33 KV HT , 3.3 KV LT Panels, GRMP, TACP And LTAC Panel , Battery Charger Panel , Tap changer Panel , Air vent pipe , Drainage & dewatering pipe lines, Generator , Gear Box with oil pipelines, BFV with accessories , Turbine &



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- Related parts , Cooling water system and pipe line, Main Transformer , Aux transformer, cable trays and cables EOT Crane any other parts.
24. Contractor to store all spares in store room with item name and tags or category wise. Also contractor to make all inventory of spares used during work. Contractor to evaluate available spares with list furnished by SAPL and inform if any short fall or non-available spares.
 25. Contractor to depute their technical person for any discussion as when required for obtaining any kind of approval permissions etc. All kind of approvals shall be obtained by SAPL. Contractor to prepare and submit any needful document drawings (Which is not available with SAPL) for obtaining approvals and permissions.
 26. Arrangement of supervisory services during pre-commission as well as during commissioning assistance for existing supplied items is in contractor scope. All needful to be done by contractor without any cost demand.
 27. Contractor to train SAPL Engineers. Training to staff covers entire operation & maintenance aspects including all relay setting & coordination. Needful technical sessions to be arrange by contractor to instruct or to teach SAPL staff.
 28. No deviation shall be envisage once the offer order is finalized signed.
 29. All kind of tools for handling of turbine generator and other repair works shall be arranged by contractor at his own.
 30. SAPL shall ensure availability of water in coordination with WRD. It is absolutely depends on water rotation schedule of WRD Department. Contractor to schedule his work activity accordingly without any kind of reason and without any extra cost.
 31. Guaranteed performance & output of turbine, generator, gearbox as per GTP and related documents (by M/s Jyoti Ltd.) – Aavis will not stand for performance of any equipment. Aavis will apply best effort to put the machine in to operation intern to get better output at various heads, at various loads.



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32. Accident & injury to work men: SAPL is not liable for or in respect of any damages or consequences payable at law in respect or in consequences of any accident or injury to any workman or other person in the employment of contractor or any sub-contractor, save and except an accident or injury resulting from any act or default of the SAPL.
33. Jurisdiction: No legal proceedings to enforce any claims and no suit arising out of offer shall be instituted except in court of competent jurisdiction under the court of Aurangabad
34. The contractor will follow and fulfill all local ./state/central statutory obligations regarding labors force to be employed by the contractor. As proof of fulfillment of statutory obligations the contractor will submit documents like ESI, PF and other needful documents, service tax registration no etc. Without payment will not process at our end.
35. SAPL shall not be liable to pay to the contractor any compensation whatsoever arising from suspension of work or ideal labours.
36. The contractor shall be responsible for any damage or loss to the components / equipments, civil works of the plant etc due to mishandling and negligence, he will make good the losses whatsoever occurred to the company's entire satisfaction, failing which recoveries shall be effected from the dues of the contractor. Any minor modification required during testing/ commissioning will have to be carried out by contractor without insisting for any extra cost.
37. Payment under workmen's compensation Act :
 - Aavis shall stand indemnified, for any payments to be made under workmen's compensation act for other statutory requirement arising out of injury. Loss of life, disablement etc, to the staff appointed by you and any other third party.



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The contractor shall take care of workmen's compensation insurance for all skilled, unskilled labours employed by him.

- The contractor shall submit Xerox copies of insurance cover note before taking up work at site.
- The contractor will also arrange for fulfilling of the prevailing local labour act like payment of wages , minimum wage act, workers compensation act, provident fund & ESI act, Employees liability act, Industrial dispute act, contract labour regulation and sub-contractor abolition act and income tax act.
- The contractor shall keep relevant up to date labour records in accordance with the labour laws in force and produce to SAPL as and when required.
- Aavis shall stand indemnify for any labour disputes arising during the work.

Tests on site & Commissioning:

After commissioning plant shall serve 72 hrs trial on load, to furnish proof of satisfactory working. The plant and equipment would be deemed to be satisfactory commissioned after 72 hrs on load during which period it shall have operated satisfactorily and uninterrupted (Continuously). All tests as required at site during commissioning shall be carried by contractor to satisfy the guaranteed performance of each equipment and whole installation.

List of tests to be conducted at site is as below.

1. Pre commissioning tests of TG set, OPU, Switchyard and auxiliaries.
2. Mechanical Spinning of TG Set.
3. Measurement of insulation of resistance of Generator and others needful tests.



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Document Sheet

₹ 3/-



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4. BDV - Dielectric test for transformer oil Short circuit test of generator, and transformers.
5. Measurement of stator and rotor winding resistance and shaft voltage.
6. Voltage built up with AVR and other functional tests.
7. Phase sequence test of generator and polarity and rotation test for CT/PT/and transformer.
8. Phase sequence, response time, synchronizing test.
9. Load test and temp test.
10. Overall setting and adjustment of AVR and excitation system.
11. Speed rise test and pressure rise test at 25%, 50%, 75% and 100% load throw off.
12. Any Other test necessary as per IEC 545.
13. Efficiency test.
14. All Relay testing, setting and overall coordination.

Apart from above list if any test required to be perform for commissioning.

The same shall be done by contractor without any cost implications.

Exclusions.

1. Any and all kind of civil works pertain to substations and power house areas.
2. Leveling, civil foundations for structures, trenches etc.,
3. Mechanical works viz installation, cranes, , Gates, hoists etc.,
4. Statutory fee/payments for obtaining approvals/ any incidental expenses.
5. Arrangement of construction power.
6. Only commercial or fees etc. of Approvals from statutory bodies for work execution/commissioning etc., including MSEB, Irrigation, Local body and CEIG etc.
7. Switch yard fencing, gates etc.



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E. TIME FRAME FOR WORK COMPLETION

- The work commencement shall start 15 days from the day and date of issuance of Work order along with advance. However definite time of 3 Months to complete commissioning will start from 33 KV grid connectivity to Mukane HEP by MSEDCL. Further time extension if any shall be mutually considered as per availability of water by WRD. Contractor shall not demand any kind of charges to complete the work further or against any delay.
- Customer to ensure availability of grid and water for commissioning of the project. In case commissioning is delayed due to non-availability of water or Grid Aavis will retain minimum staff for next three months. Further delay beyond three months it will mutually discussed.
- Customer to ensure availability of work fronts in time for smooth completion of project.
- Storage shall be provided close to power house, watch and ward shall in the scope of customer.

D. FACILITIES REQUIRED FROM CUSTOMER:-

1. Free construction power supply at one point available time to time without any interruption.
2. Space for Temporary quarters for our men to stay at site.
3. Necessary work front for without any delay and excavation where ever it is required.
4. Respective Client's Supervisor may be available at site for stage wise clearing as and when the work demands.
5. Drinking water at one point.



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Document Sheet

₹ 3/-



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F. COSTING SHEET:

ABSTRACT-TOTAL PRICE				
PROJECT	1 X 1450KW MUKANE SHP			
Sub	SERVICES FOR CLEANING, OVERHAULING, TESTING AND COMMISSIONING OF ELECTRO MECHANICAL EQUIPMENTS FOR 1x1450KW HYDRO POWER PROJECT			
Sub	COST SHEET			
Sl. No.	Description	Unit	Quantities	Total
1	Services for Cleaning, Overhauling, Testing and commissioning of 1 x 1450kW Turbine generators with auxillieris with one year O & M Period.	Lot	As per ANN-1	24,000,00 /-
Total amount excluding Taxes & duties				24,000,00 /-
(Twenty Four Lakhs only)				





Payment terms:

- No price variation & price is firm up to commissioning till end of O & M period and of 1 year starting from commissioning and handing over to SAPL.
- Price break up is to get approve from SAPL.
- 20 % interest free Advance against WO.
- 65 % after testing, pre commissioning, Painting of E & M Equipments with approval of SAPL.
- 15 % after successful final commissioning, Handing over and after certification for actual performance report of major equipments by contractor as per requisite condition and approval by SAPL.
- Rs. 6.5 Lac of O & M work will be released quarterly.

SAPL shall release payment within 15 days after receipt of bill.



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Document Sheet

₹ 3/-



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E. PROPOSED MANPOWE

01	Site Manager	01
02	Mechanical Engineer	01
03	Electrical Engineer	01
04	Fitters	02
05	Electricians	02
06	Helpers	05

NOTE: MAN POWER WILL BE INCREASED AS WHEN REQUIRED AND IF WORK DEMANDS

G. Payment TERMS AND CONDITIONS:-

Prices:

- The total price for contract is Rs. 24 Lacs. Any taxes, levies or duties (If any), including as a result of change of laws shall be paid by SAPL.
- Rs 17.5 Lac shall be Erection & commissioning.
- Rs 6.5 Lac shall be for O & M period of 1 Year.
- Contractor will be liable for all statutory deductions and documentation (commercial)
- The scope of work shall be as per, Ann-I
- No other changes on a later date shall subject to price implications.



'Annexure - C'

100

Ref |Hydro Project | Threshold Premium | 2011-12
September 30, 2011

To,
**The Executive Engineer,
Nandur Madhameshwar Project Division,
Nashik**



Subject: Payment of Threshold Premium.

Reference: You're Letter by email No./NMR/T.1/5062 of 2011 dated 13.09.2011
Our Reply Letter SAPL|HYDRO|11-12 dated 13.09.2011

Dear Sir,

Upfront Premium

Referring to above mentioned subject, we wants to notify that we had already paid upfront premium of Rs.79,35,000/- towards Mukne, Waki & Waldevi Hydro Projects.

Threshold Premium

Please find the enclosed cheques issued for threshold principal amount of Rs.1,65,00,000/- (Rs. One Crore Sixty Five Lacs only) dated 30/09/2011 and cheques of Interest amount of Rs.9,69,657/- (Rs. Nine Lacs Sixty Nine Thousand Six Hundred Fifty Seven only) dated 30/09/2011 in your favour.

The details of enclosed cheques are as below

Sr. No.	Project	Principal Amt	Date	Cheque Details
1	Mukne	7500000.00	30.09.2011	SBH,A'bad Ch.No.352530
2	Waki	5000000.00	30.09.2011	SBH,A'bad Ch.No.352532
3	Waldevi	4000000.00	30.09.2011	SBH,A'bad Ch.No.352534
Total Amount		Rs.165,00,000.00		
Sr. No.	Project	Interest Amt	Date	Cheque Details
1	Mukne	440753.00	30.09.2011	SBH,A'bad Ch.No.352531
2	Waki	293836.00	30.09.2011	SBH,A'bad Ch.No.352533
3	Waldevi	235068.00	30.09.2011	SBH,A'bad Ch.No.352535
Total Amount		Rs.9,69,657.00		

Please acknowledge above accordingly & oblige.

Thanking you,

Yours faithfully,

FOR **SHREEHARI ASSOCIATES (P) LTD.**


**Sacheen M Mulay
Managing Director**

1' Sai Vrindavan, Near Mahanubhav Aashram, Paithan Road, Itkheda, Aurangabad - 431 005.
☎ (0240) 2376648/49,3205444, Fax - 2376656, E-mail - office@sapl.biz, gmhq@sapl.biz



SBH
स्टेट बैंक ऑफ़ हैदराबाद
State Bank of Hyderabad

संगठन
Modern
प्रविष्टि
Innovative
सहज
Dependable

(20302) STATION ROAD AURANGABAD BRANCH
RIGVED, BANSILALNAGAR, SIDDARTH ARCADE
STATION ROAD, AURANGABAD-431005

IFSC CODE: SBHY0020302

3 0 0 9 2 0 1 1

D D M M Y Y

KL-HITECH SECURE PRINT LTD. HYD. / CTS-2010

PAY Ex. Engineer, Nandur Madhameshwar Project Div., Nashik या धारक को OR BEARER

रुपये RUPEES Seventy Five Lacs Only-

अदा करें ₹ 7500,000/-

खा.सं.
A/c No. **CA 62009561987**

VOID

Prefix : 2109100001
05092011

Shreehari
SHREEHARI ASSOCIATES PVT LTD
Please sign above

॥ 3 5 2 5 3 0 ॥ 4 3 1 0 0 4 0 0 5 ॥ 0 0 0 0 9 9 ॥ 1 1



SBH
स्टेट बैंक ऑफ़ हैदराबाद
State Bank of Hyderabad

संगठन
Modern
प्रविष्टि
Innovative
सहज
Dependable

(20302) STATION ROAD AURANGABAD BRANCH
RIGVED, BANSILALNAGAR, SIDDARTH ARCADE
STATION ROAD, AURANGABAD-431005

IFSC CODE: SBHY0020302

3 0 0 9 2 0 1 1

D D M M Y Y

KL-HITECH SECURE PRINT LTD. HYD. / CTS-2010

PAY Ex. Engineer, Nandur Madhameshwar Project Div., Nashik या धारक को OR BEARER

रुपये RUPEES Four Lacs Forty Thousand Seven Hundred
Fifty Three Only-

अदा करें ₹ 440,753/-

खा.सं.
A/c No. **CA 62009561987**

VOID

Prefix : 2109100001
05092011

Shreehari
SHREEHARI ASSOCIATES PVT LTD
Please sign above

॥ 3 5 2 5 3 1 ॥ 4 3 1 0 0 4 0 0 5 ॥ 0 0 0 0 9 9 ॥ 1 1



(A Govt. of Maharashtra Undertaking)
CIN : U40109MH2005SGC153645

Phone : 2450669 (Fax)

Website : www.mahadiscom.in

Email - eenasikr@gmail.com

Office of the, Executive Engineer(O)
MSEDCL., Rural Division,
Nashik Vidyut Bhavan 2nd Floor, Nashik
Nashik Road
Fax No. 02532450669

EE/NSKR/TECH/

5718

Date 9 NOV 2017

The Superintending Engineer
M.S.E.D.C.L. Nashik (U) Circle
Nashik

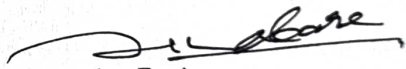
Sub :- Submission of Joint inspection report & W.C.R. report of Shreehari Associates Pvt. Ltd ,
Mukne Dam , Mukne village , Tal. Igatpuri

Ref:- 1) Co-ord cell / Shreehari Associates /25407 16.10.2017
2) SE/NUC/T/HT/NU-967/0959 22.2.2017

In connection to above subject please find enclosed herewith the Joint inspection
report & W.C.R. report of Shreehari Associates Pvt. Ltd , Mukne Dam. village Mukne , Tal.
Igatpuri .

This is for your information & n.a please

महावितरण शहर मंडळ, नाशिक	
आवक क्रमांक	13349
दिनांक	10 NOV 2017
एन.एस.ए.ए. (प्रकरण)	As above
वरिष्ठ व्यवस्थापक (शि.प.त.ख.)	10
व्यवस्थापक (मानव संसाधन)	10
	अधीक्षक अभियंता


Executive Engineer
MSEDCL Nashik(R)

10
10/11/17

Joint insp.
10/11/17

Received
10/11/17



Maharashtra State Electricity Distribution Co. Ltd.

JOINT INSPECTION REPORT

- 1) Date of inspection (DD/MM/YYYY): 01-09-2017
 2) Details of applicant/HTC (to be provided by O&M Division)

2.1) Name: Shreehari Associates Pvt. Ltd

2.2) Address where connection required/existing: At Village Mukane

2.3) Consumer No: New Consumer

2.4) Contact No of applicant/con: Sachin Shelar

2.5) Email of applicant/con: hydro.sachin@gmail.com

2.6) Contact No of LEC: 9423482402

2.7) Email of LEC: Kjelectro@gmail.com

2.8) Load applied: 90 KVA, CD - 81 KW Hydrogeneration 1.45 MW

Particulars	Existing /Fresh(New)	Additional /Reduction	If applied for OA(STOA/MTOA /LTOA)	Hydro Power project	Total
CL(KW)	81			81	
CD(KVA)	90			90	

2.9) Purpose: Auxiliary supply for start up power for hydro electric project 1.45 MW

2.10) Requested for: Start up power/Grid

Connectivity/OA(STOA/MTOA/LTOA)/Period...../Fresh/Additional/Reduction/Shifting of POS/Merging of HTCs/.....

2.11) Other details(specific)if any:

2.12) Reference letters of O&M Div/Testing Dn/HO (if any)

A) SE/MSKOC/Tech/mukane Hydro-17-18/4075 dated 6/7/2017.

B) SE/TC/KR/KN/APP-I/270 dt. 26/5/17. (NOC)

C) SE/MSKOC/T/HT/NO-967/0959 dt. 22/2/17. (Sanction)

D) CE/Comm/Grid Ann/No. 2639 dated - 24-1-17

2.13) Proposed/existing on Voltage Level(KV): 33 KV

2.14) Name of Feeder with code: 33 KN Mukane hydro Feeder

2.15) Name of S/Stn with code: 33/11 KN Padale code - 184065

2.16) Whether Express Feeder: Yes/No ✓

2.17) Date of application(DD/MM/YYYY)& ID: 19/5/2012
SAPL Hydro / MSE DEL MKK / 05-19/2012

3) Site Inspection details: (to be filled in on site)

3.1) POS is existing/proposed near to entry gate & accessible through Good motor able road, remarked in POS drawing on layout plan (Approved by Local authority): Yes/No ✓

3.2) SLD for POS/Hydro power system is prepared & found in order: Yes/No ✓

3.3) write up of Synchronization/Start Up power/Protection for Reverse power flow/Grid connectivity/etc is verified & found in Order: Yes/No ✓ Generator protection relay (MICOM model Areva co.)
Sr.No. P343

3.4) Scheme of Synchronization/Start Up power/Protection for Reverse power flow/Grid connectivity/etc is established & found Inorder/SLD is approved by EI: Yes/No ✓

3.5) Scheme of Synchronization/Start Up power/Protection for Reverse power flow/Grid connectivity/etc established: Tested ✓
OK/Will be tested at the time of synchronization provided & will be checked during Commissioning

3.6) Existing/Proposed (CTs/PTs/Meters of Main, Check & for EA of Express feeder) details:

1) CTs

To be taken into service

Particulars	Existing (OD/HTMK)			Proposed
	Main	Check	EA(Exp)	
Make	Hupfen electro mech CPD Ltd →			MSE Del Approved
Serial No	1407645, 46, 47	1407657, 58, 59	1407661, 53, 53	
Combined/single core- single ratio	Single Core Single Ratio	Single core, Single Ratio	Single Core Single Ratio	Single core, single Ratio
CTR(A)	25/1A	25/1A	25/1A	
Class of accuracy	0.25	0.25	0.25	0.25
Burden(VA)	15	15	15	10 (15 in case OA)

II) PTs:

to be taken into service

Particulars	Existing(DD/HTMK)			Proposed
	Main	Check	EA(Exp)	
Make	Huphen electro mech (P) Ltd			MSEDCL Approved
Serial No	1407648, 19, 50	1407660 A1, B2	1407654, 55, 56	
Combined/single core- single ratio PTR(A)	Single core, Single ratio 33kV/110V	Single core Single ratio 33kV/110V	Single core Single ratio 33kV/110V	Single core, single Ratio
Class of accuracy	0.2	0.2	0.2	0.2
Burden(VA)	50	50	50	50

III) Meter : (Please give all details of existing LT meters in case of multiparty proposal)

Not Applicable

Particulars	Existing(In separate box/HTMK)			Proposed
	Main	Check	EA(Exp)	
Make	Elester Metering Pvt Ltd			
Serial No	02805510	02805511	02805512	
Type(HT TOD/ABT/SEM/Apex) Category	ABT Alpha A1800 A	ABT Alpha A 1800 A	ABT Alpha A 1800	
Four quadrant	Yes	Yes	Yes	
Meter CTR(A)	-1.5A	-1.5A	-1.5A	
Meter PTR	11000/53/110V 3	11000/53/ 110V/53	11000/53 110V/53	
Class of accuracy	0.25	0.25	0.25	
Communication Port	optical	optical	optical	
Integration period set for measurement of technical & billing parameters	15 min	15 min	15 min	
Whether meter software is compatible to billing software of MSEDCL IT.	Yes	Yes	Yes	

IV) Capacity of DTF (Distribution transformer) :-----
 (Existing.....33./.....3:3.....KV & 2,000.....KVA,) YND11
 (Proposed...../.....KV &KVA,)

V) Capacitor bank: ExistingKVAR, Proposed:.....KVAR
Generator is taking care to supply 36% KVAH power to grid

VI) Whether Harmonics Filters are provided: Yes/No

VII) Whether LT panel is provided with good quality
 Ammeter/Voltmeter & KWH meter: Yes/No

VIII) Whether HT/LT line passing through premises of
 Applicant/consumer: Yes/No

IX) Whether more than one connections of same owner and for
 Same purposes are existing in premises of applicant/consumer:
Yes/No

X) Is clubbing / Merging of HT/LT connections is proposed:
Yes/No/not Applicable, if Yes then
 Proposal.....

XI) Physical & Electrical safety Boundaries of multiparty
 Consumers are verified and found in order: Yes/No N/A

XII) Existing sealing of HTMK (main & Check) / HTFP / Inc BKR
 Etc) checked for tampering & found: OK/Not OK *New connection to be done*

XIII) Grid connectivity point proposed at
33/11 KV Padali S/S

4) Meter readings at the time of inspection: Not installed yet. New Conn.

Particulars		Main meter	Check meter	EA meter (Expres feeder)
Intigration period		15/30 min	15/30 min	15/30 min
KWH	A			
	B			
	C			
	D			
	TOTAL			
KVAH	A			
	B			
	C			
	D			

	TOTAL			
VARH	A			
	B			
	C			
	D			
	TOTAL			
KVA	A			
	B			
	C			
	D			

5) For Hydro power system (whether Guidelines mentioned in MSEDCL circulars amended up to date are followed or Not):---

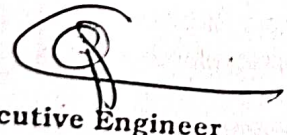
.....

6) Other Proposal/suggestions:.....

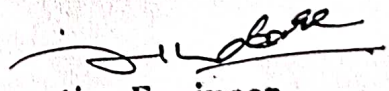
7) Other discrepancies observed: 1) Retesting of CIPTS is necessary as these three cables tested on 02-3-16 were

- Enclosed: 1) POS on layout plan & SLD for POS (Yes/No)
 2) Working system of Hydro power system

All above parameters are checked & verified by us in presence of consumer representative


 Executive Engineer

Nashik Urban Testing Div
 Executive Engineer
 Urban Testing Division
 M.S.E.D.C.L. Nashik


 Executive Engineer
 M.S.E.D.C.L. Engineer
 Nashik (R) Division
 O&M Dn.....

Consumer Representative
 Name & Signature

From: Kapil Hokarne <bothead.sapl@gmail.com>
Sent: 10 May 2023 12:45
To: ceremsedcl@gmail.com; cecomm@mahadiscom.in; senskurban2019@gmail.com
Subject: Mukane 1.45 MW SHP
Attachments: Request for PTC_Ref.MERC Order-08 May,2023.pdf; Daily Order dated May 8, 2023 - In the matter of SAPL v. MSEDCL and Othe....pdf

Respected Madam,

Please find the attached copy of our request letter.

Thanks & Regards

Kapil Hokarne

Shreehari Associates (P) Ltd.
Aurangabad



Ref: SAPL/ BOT/HYDRO/MUKANE/2023-5-01

Date: May 10, 2023

To,

1. Maharashtra State Electricity Distribution Company Limited

Plot No. G - 9, Prakashgad - 5th Floor,
Station Road, Bandra (East),
Mumbai - 400051

Kind Attn: **Chief Engineer (Renewable Energy)**

Email: ceremsedcl@gmail.com

2. Maharashtra State Electricity Distribution Company Limited

Plot No. G - 9, Prakashgad - 5th Floor,
Station Road, Bandra (East),
Mumbai - 400051

Kind Attn: **Chief Engineer (Commercial)**

Email: cecomm@mahadiscom.in

3. Maharashtra State Electricity Distribution Company Limited

1st Floor, Vidyutbhavan, Nashik Road,
Nashik - 422101.

Kind Attn: **Superintending Engineer**

Email: senskurban2019@gmail.com

Respected Sir,

Sub.: To issue permission to commission to Shreehari Associates Private Limited for our 1.45 MW Mukane Hydro Power Project located at Mukane village, Taluka - Igatpuri, District- Nashik on the ad-hoc tariff of Rs. 3.85/- kWh.

Ref.: Before the Hon'ble Maharashtra Electricity Regulatory Commission,

Interim Application No. 27 of 2023

In

Case No. 57 of 2023

Shreehari Associates Private Limited

...Petitioner

Versus

Maharashtra State Electricity Distribution Company Limited and Others ...Respondents

This is with reference to the above captioned matter. Pursuant to the hearing held on May 8, 2023 before the Hon'ble Maharashtra Electricity Regulatory Commission ("MERC" / "Commission"), we wish to state as follows:

1. During the hearing held on May8, 2023 before the Hon'ble Commission, the Hon'ble Commission was of the opinion that the energy generated by Shreehari Associates Private Limited ("SAPL") should not go waste as it is generated by way of a hydro project as it is a source of renewable power in order to reduce reliability upon conventional and non-renewable sources of electricity and that Maharashtra State Electricity Distribution Company Limited ("MSEDCL" / "You") should acceptour proposal of ad-hoc tariff of Rs. 3.85/- (Rupees Three and Eighty Five Paise Only) kWh.
2. The counsel appearing on your behalf Mr. Abhishek Khare after seeking instructions from your good-self agreed and gave an undertaking before the Hon'ble Commission to issue permission to commission ("PTC") to SAPL and also accepted the ad-hoc tariff of Rs. 3.85/- (Rupees Three and Eighty Five Paise Only) kWh till the Petition is decided.
3. The Hon'ble Commission accepted the submission made by Mr. Abhishek Khare and directed MSEDCL to issue PTC to us at the earliest.
4. We request You to issue PTC to SAPL for our 1.45 MW Mukane Hydro Power Project located at Mukane village, Taluka - Igatpuri, District - Nashik on the ad-hoc tariff of Rs. 3.85/- (Rupees Three and Eighty Five Paise Only) kWh urgently, as the water rotation at Mukane will commence from May 10, 2023.
5. You may appreciate that non-issuance of PTC may lead to wastage of precious renewable energy.
6. We also request you to let us know formalities, if any to be complied by us.

We look forward to your kind consideration.

Thanking you,

Yours faithfully

For Shreehari Associates Private Limited


Authorised Signatory

Before the
MAHARASHTRA ELECTRICITY REGULATORY COMMISSION
World Trade Centre, Centre No.1, 13th Floor, Cuffe Parade, Mumbai 400005
Tel. 022 22163964/65/69 Fax 22163976
Email: mercindia@merc.gov.in
Website: www.merc.gov.in

Date: 8 May 2023

CORAM: Sanjay Kumar, Chairperson
I. M. Bohari, Member
Mukesh Khullar, Member

IA No. 27 of 2023 in Case No. 57 of 2023

Interlocutory Application of Shreehari Associates Private Limited for seeking urgent reliefs in Case No. 57 of 2023.

Shreehari Associates Private Limited....

Petitioner

Maharashtra State Electricity Distribution Co. Ltd. (MSEDCL)

Government of Maharashtra Water Resources Department (GOMWRD)

Maharashtra Energy Development Agency

} Respondents

Appearance:

For the Petitioner:

: Ms. Dipali Sheth (Adv.)

For the Respondent:

: Mr. Abhishek Khare (Adv)

Daily Order

1. Heard the Advocate of Petitioner and Respondent.
2. An advocate on behalf of SAPL stated that the project under consideration is an irrigation based hydro project. Now, irrigation rotation has been planned for this month i.e. May. The project is ready for commissioning. MSEDCL is not issuing Permission to Commission (PTC) and coercing SAPL to supply free electricity in lieu of issuing PTC. In the interim, till tariff is duly determined by Commission, SAPL has proposed that the power may be procured by MSEDCL at ad-hoc tariff of Rs. 3.85 per unit.
3. After taking instructions, Advocate appearing for MSEDCL stated that MSEDCL agrees to procure power at the rate of Rs.3.85 per unit as an interim arrangement till final disposal of the matter.

4. Considering submissions made, the Commission allows interim arrangement of procuring power by MSEDCL at ad-hoc tariff of Rs. 3.85 per unit till final disposal of the main matter and accordingly directs MSEDCL to issue PTC. Accordingly, the Commission disposes of IA No.27 of 2023.
5. Main matter i.e. Case No.57 of 2023 is filed for determination of project specific tariff, which will be decided after following up due public consultation process.

Sd/-
(Mukesh Khullar)
Member

Sd/-
(I. M. Bohari)
Member

Sd/-
(Sanjay Kumar)
Chairperson

From: Kapil Hokarne <bothead.sapl@gmail.com>
Sent: 20 May 2023 11:53
To: ceremsedcl@gmail.com; cecomm@mahadiscom.in; senskurban2019@gmail.com
Subject: Fwd: Mukane 1.45 MW SHP
Attachments: Request for PTC_Ref.MERC Order-08 May,2023.pdf; Daily Order dated May 8, 2023 - In the matter of SAPL v. MSEDCL and Othe....pdf

Respected Sir / Madam,

Gentle reminder to issue PTC for Mukane 1.45 MW SHP.

Regards,

Kapil Hokarne
Shreehari Associates Pvt. Ltd.
Aurangabad



Ref: SAPL/ BOT/HYDRO/MUKANE/2023-5-01

Date: May 10, 2023

To,

1. Maharashtra State Electricity Distribution Company Limited

Plot No. G - 9, Prakashgad - 5th Floor,
Station Road, Bandra (East),
Mumbai - 400051

Kind Attn: **Chief Engineer (Renewable Energy)**

Email: ceremsedcl@gmail.com

2. Maharashtra State Electricity Distribution Company Limited

Plot No. G - 9, Prakashgad - 5th Floor,
Station Road, Bandra (East),
Mumbai - 400051

Kind Attn: **Chief Engineer (Commercial)**

Email: cecomm@mahadiscom.in

3. Maharashtra State Electricity Distribution Company Limited

1st Floor, Vidyutbhavan, Nashik Road,
Nashik - 422101.

Kind Attn: **Superintending Engineer**

Email: senskurban2019@gmail.com

Respected Sir,

Sub.: To issue permission to commission to Shreehari Associates Private Limited for our 1.45 MW Mukane Hydro Power Project located at Mukane village, Taluka - Igatpuri, District- Nashik on the ad-hoc tariff of Rs. 3.85/- kWh.

Ref.: Before the Hon'ble Maharashtra Electricity Regulatory Commission,

Interim Application No. 27 of 2023

In

Case No. 57 of 2023

Shreehari Associates Private Limited

...Petitioner

Versus

Maharashtra State Electricity Distribution Company Limited and Others ...Respondents

This is with reference to the above captioned matter. Pursuant to the hearing held on May 8, 2023 before the Hon'ble Maharashtra Electricity Regulatory Commission ("MERC" / "Commission"), we wish to state as follows:

1. During the hearing held on May8, 2023 before the Hon'ble Commission, the Hon'ble Commission was of the opinion that the energy generated by Shreehari Associates Private Limited ("SAPL") should not go waste as it is generated by way of a hydro project as it is a source of renewable power in order to reduce reliability upon conventional and non-renewable sources of electricity and that Maharashtra State Electricity Distribution Company Limited ("MSEDCL" / "You") should acceptour proposal of ad-hoc tariff of Rs. 3.85/- (Rupees Three and Eighty Five Paise Only) kWh.
2. The counsel appearing on your behalf Mr. Abhishek Khare after seeking instructions from your good-self agreed and gave an undertaking before the Hon'ble Commission to issue permission to commission ("PTC") to SAPL and also accepted the ad-hoc tariff of Rs. 3.85/- (Rupees Three and Eighty Five Paise Only) kWh till the Petition is decided.
3. The Hon'ble Commission accepted the submission made by Mr. Abhishek Khare and directed MSEDCL to issue PTC to us at the earliest.
4. We request You to issue PTC to SAPL for our 1.45 MW Mukane Hydro Power Project located at Mukane village, Taluka - Igatpuri, District - Nashik on the ad-hoc tariff of Rs. 3.85/- (Rupees Three and Eighty Five Paise Only) kWh urgently, as the water rotation at Mukane will commence from May 10, 2023.
5. You may appreciate that non-issuance of PTC may lead to wastage of precious renewable energy.
6. We also request you to let us know formalities, if any to be complied by us.

We look forward to your kind consideration.

Thanking you,

Yours faithfully

For Shreehari Associates Private Limited


Authorised Signatory

Before the
MAHARASHTRA ELECTRICITY REGULATORY COMMISSION
 World Trade Centre, Centre No.1, 13th Floor, Cuffe Parade, Mumbai 400005
 Tel. 022 22163964/65/69 Fax 22163976
 Email: mercindia@merc.gov.in
 Website: www.merc.gov.in

Date: 8 May 2023

CORAM: Sanjay Kumar, Chairperson
 I. M. Bohari, Member
 Mukesh Khullar, Member

IA No. 27 of 2023 in Case No. 57 of 2023

Interlocutory Application of Shreehari Associates Private Limited for seeking urgent reliefs in Case No. 57 of 2023.

Shreehari Associates Private Limited....

Petitioner

Maharashtra State Electricity Distribution Co. Ltd. (MSEDCL)

Government of Maharashtra Water Resources Department (GOMWRD)

Maharashtra Energy Development Agency

} Respondents

Appearance:

For the Petitioner:

: Ms. Dipali Sheth (Adv.)

For the Respondent:

: Mr. Abhishek Khare (Adv)

Daily Order

1. Heard the Advocate of Petitioner and Respondent.
2. An advocate on behalf of SAPL stated that the project under consideration is an irrigation based hydro project. Now, irrigation rotation has been planned for this month i.e. May. The project is ready for commissioning. MSEDCL is not issuing Permission to Commission (PTC) and coercing SAPL to supply free electricity in lieu of issuing PTC. In the interim, till tariff is duly determined by Commission, SAPL has proposed that the power may be procured by MSEDCL at ad-hoc tariff of Rs. 3.85 per unit.
3. After taking instructions, Advocate appearing for MSEDCL stated that MSEDCL agrees to procure power at the rate of Rs.3.85 per unit as an interim arrangement till final disposal of the matter.

4. Considering submissions made, the Commission allows interim arrangement of procuring power by MSEDCL at ad-hoc tariff of Rs. 3.85 per unit till final disposal of the main matter and accordingly directs MSEDCL to issue PTC. Accordingly, the Commission disposes of IA No.27 of 2023.
5. Main matter i.e. Case No.57 of 2023 is filed for determination of project specific tariff, which will be decided after following up due public consultation process.

Sd/-
(Mukesh Khullar)
Member

Sd/-
(I. M. Bohari)
Member

Sd/-
(Sanjay Kumar)
Chairperson

Harsh

From: Kapil Hokarne <bothead.sapl@gmail.com>
Sent: 25 May 2023 13:38
To: ceremsedcl@gmail.com; cecomm@mahadiscom.in; senskurban2019@gmail.com
Cc: Dipali Sarvaiya Sheth
Subject: Re: Mukane 1.45 MW SHP
Attachments: Daily Order dated May 8, 2023 - In the matter of SAPL v. MSEDCL and Othe....pdf;
Request for PTC_Ref.MERC Order-08 May,2023.pdf

Respected Sir / Madam,

Gentle reminder: 2 to issue PTC for Mukane 1.45 MW SHP.

Regards,

Kapil Hokarne
Shreehari Associates Pvt. Ltd.
Aurangabad



Ref: SAPL/ BOT/HYDRO/MUKANE/2023-5-01

Date: May 10, 2023

To,

1. Maharashtra State Electricity Distribution Company Limited

Plot No. G - 9, Prakashgad - 5th Floor,
Station Road, Bandra (East),
Mumbai - 400051

Kind Attn: **Chief Engineer (Renewable Energy)**

Email: ceremsedcl@gmail.com

2. Maharashtra State Electricity Distribution Company Limited

Plot No. G - 9, Prakashgad - 5th Floor,
Station Road, Bandra (East),
Mumbai - 400051

Kind Attn: **Chief Engineer (Commercial)**

Email: cecomm@mahadiscom.in

3. Maharashtra State Electricity Distribution Company Limited

1st Floor, Vidyutbhavan, Nashik Road,
Nashik - 422101.

Kind Attn: **Superintending Engineer**

Email: senskurban2019@gmail.com

Respected Sir,

Sub.: To issue permission to commission to Shreehari Associates Private Limited for our 1.45 MW Mukane Hydro Power Project located at Mukane village, Taluka - Igatpuri, District- Nashik on the ad-hoc tariff of Rs. 3.85/- kWh.

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5. You may appreciate that non-issuance of PTC may lead to wastage of precious renewable energy.
6. We also request you to let us know formalities, if any to be complied by us.

We look forward to your kind consideration.

Thanking you,

Yours faithfully

For Shreehari Associates Private Limited


Authorised Signatory

**Before the
MAHARASHTRA ELECTRICITY REGULATORY COMMISSION
World Trade Centre, Centre No.1, 13th Floor, Cuffe Parade, Mumbai 400005
Tel. 022 22163964/65/69 Fax 22163976
Email: mercindia@merc.gov.in
Website: www.merc.gov.in**

Date: 8 May 2023

**CORAM: Sanjay Kumar, Chairperson
I. M. Bohari, Member
Mukesh Khullar, Member**

IA No. 27 of 2023 in Case No. 57 of 2023

Interlocutory Application of Shreehari Associates Private Limited for seeking urgent reliefs in Case No. 57 of 2023.

Shreehari Associates Private Limited....

Petitioner

Maharashtra State Electricity Distribution Co. Ltd. (MSEDCL)

Government of Maharashtra Water Resources Department (GOMWRD)

Maharashtra Energy Development Agency

} Respondents

Appearance:

For the Petitioner:

: Ms. Dipali Sheth (Adv.)

For the Respondent:

: Mr. Abhishek Khare (Adv)

Daily Order

1. Heard the Advocate of Petitioner and Respondent.
2. An advocate on behalf of SAPL stated that the project under consideration is an irrigation based hydro project. Now, irrigation rotation has been planned for this month i.e. May. The project is ready for commissioning. MSEDCL is not issuing Permission to Commission (PTC) and coercing SAPL to supply free electricity in lieu of issuing PTC. In the interim, till tariff is duly determined by Commission, SAPL has proposed that the power may be procured by MSEDCL at ad-hoc tariff of Rs. 3.85 per unit.
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5. Main matter i.e. Case No.57 of 2023 is filed for determination of project specific tariff, which will be decided after following up due public consultation process.

Sd/-
(Mukesh Khullar)
Member

Sd/-
(I. M. Bohari)
Member

Sd/-
(Sanjay Kumar)
Chairperson

On Thu, May 25, 2023 at 4:27 PM Chief Engineer Renewable Energy <ceremsedcl@gmail.com> wrote:

Sir,

With ref. to your trailing mail it is to bring your attention that, so as to issue ptc for your 1.45 MW Mukane SHP it is requested to submit the valid Electrical Inspection charging permission mentioning the list of equipment & its ratings.

This is for your kind information please.

From: **Kapil Hokarne** <bothead.sapl@gmail.com>
Date: Mon, Jun 5, 2023 at 2:27 PM
Subject: Re: Mukane 1.45 MW SHP
To: Chief Engineer Renewable Energy <ceremsedcl@gmail.com>
Cc: Director Comm <directorcommsedcl@gmail.com>, <senskurban2019@gmail.com>

Respected Madam,

This is with reference to your email dtd. 25.05.2023 regarding PTC

Herewith sending Electrical Inspector charging permission, for your ready reference.

Regards,

Kapil Hokarne



Government of Maharashtra
Office of the Electrical Inspector,
Industries, Energy & Labour Department

First Floor, Mahalaxmi

Tel. No. : 0253-2594726

Chambers,

Email ID: einashik.nrg-mh@gov.in
001

Mumbai – Agra Road, Dwarka, Nashik – 400

No.: EIN/TECH/2022-23/ 758 !! विद्युत सुरक्षा,सर्वोच्च प्राथमिकता !!
To,

Date: 5/6/2023

M/s. Shreehari Associates Pvt. Ltd.,

Mukane Hydro Electric Project ,

Tal-Igatpuri , Dist -Nashik.

Subject: Annual Inspection of your Electrical Installation for Year 2023-2024 under regulation 30 of Central Electricity Authority (Measures Relating to Safety and Electric Supply), Regulations, 2010 (as amended till date).

Installation Equipment: - Details of equipment inspected are as per list of equipment's approved earlier.

Sir,

Whereas the inspection of your electrical installation was done by the undersigned on 29.05.2023 and the general condition of the electrical apparatus are found to be in order as per the relevant provisions of the CEA (Measures relating to Safety and Electric Supply) Regulation, 2010 (as amended till date).

The consistent compliance of relevant provisions of CEA (Measures relating to Safety and Electric Supply) Regulation, 2010 (as amended till date) shall be ensured for safety in operation and maintenance of the above electrical installation. If any changes made to existing system after issue of this certificate, this certificate stands cancelled.



(B. K. Ugale)

Electrical Inspector – Gr. A

INDUSTRIES ENERGY AND LABOUR DEPARTMENT

Electrical Inspection Division, NASHIK

On Wed, Jun 7, 2023 at 5:01 PM Chief Engineer Renewable Energy <ceremsedcl@gmail.com> wrote:

With ref. to this Office mail dated 25.05.2023, it was requested to submit the valid Electrical Inspection charging permission mentioning the list of equipment & its ratings. The letter from Electrical Inspection attached in the trailing mail is without the list of equipment & its ratings. It is once again requested to submit the requisite documents at the earliest.

From: Kapil Hokarne <bothead.sapl@gmail.com>
Sent: 09 June 2023 12:59
To: Chief Engineer Renewable Energy
Cc: Director Comm; senskurban2019@gmail.com
Subject: Re: Mukane 1.45 MW SHP
Attachments: 74 2023.06.05 latest renewal _El permission.pdf; 70.1 2022-06-10 El final charging permission renewal letter.pdf; 57 2019-10-01 El permission power plant.pdf; Daily Order dated May 8, 2023 - In the matter of SAPL v. MSEDCL and Othe....pdf

This is with reference to your email dated 07/06/2023, as well our given explanation in the meeting held at Prakashgad, Mumbai on 08.06.2023, in presence of Chief Engineer (Renewable), Mrs. Kavita Gharat Madam and Executive Engineer (Renewable), Mr. Amit Bute Sir, (Please find attachments).

Considering Order of Hon'ble Commissions/MERC dated 08 May 2023, we are once again requested, kindly issue PTC to us(SAPL) for our 1.45 MW Mukane Hydro Power Project, located at Mukane village, Taluka-Igatpuri, District-Nashik, on the ad-hoc tariff of Rs. 3.85/- (Rupees Three and Eighty Five Paise Only) kWh urgently, as day by day availability of water head is reducing at Mukane Dam and in spite of investing our huge funds, we are unable to generate green energy and also not able to fetch any kind of revenue, though project is ready to generate the energy from our side.

Regards,

Kapil Hokarne
Shreehari Associates (P) Ltd.
Ch. Sambhajinagar (MH)



Government of Maharashtra
Office of the Electrical Inspector,
Industries, Energy & Labour Department

First Floor, Mahalaxmi

Tel. No. : 0253-2594726

Chambers,

Email ID: einashik.nrg-mh@gov.in
001

Mumbai – Agra Road, Dwarka, Nashik – 400

No.: EIN/TECH/2022-23/ 758 !! विद्युत सुरक्षा,सर्वोच्च प्राथमिकता !!
To,

Date: 5/6/2023

M/s. Shreehari Associates Pvt. Ltd.,

Mukane Hydro Electric Project ,

Tal-Igatpuri , Dist -Nashik.

Subject: Annual Inspection of your Electrical Installation for Year 2023-2024 under regulation 30 of Central Electricity Authority (Measures Relating to Safety and Electric Supply), Regulations, 2010 (as amended till date).

Installation Equipment: - Details of equipment inspected are as per list of equipment's approved earlier.

Sir,

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The consistent compliance of relevant provisions of CEA (Measures relating to Safety and Electric Supply) Regulation, 2010 (as amended till date) shall be ensured for safety in operation and maintenance of the above electrical installation. If any changes made to existing system after issue of this certificate, this certificate stands cancelled.



(B. K. Ugale)

Electrical Inspector – Gr. A

INDUSTRY ENERGY AND LABOUR DEPARTMENT

Electrical Inspection Division, NASHIK



Government of Maharashtra
Office of the Electrical Inspector,
Industries, **Energy** & Labour Department

Tel. No. : 0253-2594726

Email ID: cinashik.nrg-mh@gov.in

First Floor, Mahalaxmi Chambers,

Mumbai – Agra Road, Dwarka, Nashik – 400 001

No.: EIN/TECH/ 662 /2022

Date: 10/06/2022

To,

M/S Shreehari Associates Pvt. Ltd.,
Mukane Hydro Electric Project,
Tal-Igatpuri, Dist-Nashik.

Subject: Inspection of your Electrical Installation under regulation 30 & 43 of Central Electricity Authority (Measures Relating to Safety and Electric Supply), Regulations, 2010 (as amended till date).

Ref: 1) Permission No.515002906201901235, Date 01/10/2019
2) Permission No.0EI516002401202059704, Date 24/01/2020

Installation Equipment: - Details of equipment inspected are as per list of equipment's approved earlier.

Sir,

Whereas the inspection of your electrical installation was done by the undersigned on date 13/05/2022 and the general condition of the electrical apparatus are found to be in order as per the relevant provisions of the CEA (Measures relating to Safety and Electric Supply) Regulation, 2010 (as amended till date).

The consistent compliance of relevant provisions of CEA (Measures relating to Safety and Electric Supply) Regulation, 2010 (as amended till date) shall be ensured for safety in operation and maintenance of the above electrical installation. If any changes made to existing system after issue of this certificate, this certificate stands cancelled.



(B.K.Ugale)

Electrical Inspector-Gr-A
Industry, **Energy** & Labour Department
Nashik



92494893083923F69EAF

गणराष्ट्र शासन

अधीक्षक अभियंता, औरंगाबाद
उद्योग, ऊर्जा व कामगार विभाग

अधीक्षक अभियंता, औरंगाबाद अधीक्षक अभियंता प्रादेशिक विद्युत निरीक्षण मंडळ, शिवदास
ट्रेड सेंटर, प्लॉट नं. ११, हॉल नं. ४, पहिला मजला, त्रिमुर्ती चौक, जवाहर कॉलनी, हेडगेवार
हॉस्पिटल रोड, औरंगाबाद-४३१००५

E-mail ID : seaurangabad.rtg-mh@gov.in
Permission No.: ५१५००२१०६२०१९०१२३५

दरघनी क्र. : ०२४०-२४८७०४६
दिनांक : ०१/१०/२०१९

प्रति,

MIHIRR SACHIN MULAY,
PLOT NO ३६, GOLWADI, PAITHAN WALINJ LINK RD.

विषय :- FINAL CHARGING PERMISSION OF १.४५ MW HYDRO POWER PLANT WITH ALLIED EQUIPMENTS AT MUKANE HEP
MUKANE DAM NASHIK


संदर्भ :- १) नकाशा मंजूरी क्रमांक: १८५१५४१३७४३११८१७९५४ दिनांक: ०७/१२/२०१८
२) M/S MIHIRR SACHIN MULAY यांचे पत्र क्र १८५१५४१३७४३१२३५६९EAF दिनांक: ०१/१०/२०१९

यरील संदर्भाकित विषयास अनुसरून वर उल्लेखलेल्या ठिकाणच्या जनित्रसंघमांडणीचे निरीक्षण ह्या कार्यालया मार्फत दिनांक:
२१/०६/२०१९ रोजी करण्यात आले. त्यास केंद्रीय विद्युत प्राधिकरण (विद्युत पुरवठा व सुरक्षा संबंधी उपाय योजना) विनियम २०१० चे विनियम
३२ अन्वये कार्यान्वित करण्याची कायमरूपी परवानगी याद्वारे खालील अटीच्या अधीन घ्याव्यात येत आहे.

- १) विद्युत कायदा २००३ व केंद्रीय विद्युत प्राधिकरण विनियम २०१० (व सुधारीत विनियम २०१५ मधील तरतुदीचे सुरक्षिततेच्या दृष्टीने काटेकोर पालन करावे. :
- २) जनित्रसंघमांडणीतील बदल, देखभाल व दुरुस्ती केंद्रीय विद्युत प्राधिकरण विनियम २०१० चे विनियम २९ अन्वये परवानाधारक विद्युत ठेकेदार/प्राधिकृत व्यक्तीमार्फतच करण्यात यावी. यात दुर्लक्ष केलेले आढळल्यास त्यास आपण सर्वस्वी जबाबदार राहाल याची नोंद घ्यावी.
- ३) जनित्र निर्मित यीज उत्पादनाची नोंदयही विहित नमुन्यात ठेवावी.
- ४) नियमित परतावे व विद्युत शुल्क मुदतीत भरणे जनित्र धारकास बंधनकारक आहे.
- ५) विद्युत निरीक्षकाच्या पूर्ण परवानगी शिवाय सदर संघमांडणीत कोणताही फेरबदल करू नये अन्यथा सदर परवानगी आपोआप रद्द होईल याची नोंद घ्यावी. :
- ६) सदर संघमांडणी ६ महिन्यात कार्यान्वित न केल्यास ग्राह्य राहणार नाही.
- ७) विद्युत संघमांडणीच्या प्राप्त चाचणी अहवालांनुसार त्याच्या सत्यतेची जबाबदारी मे. स. ठे. क्र M/S K.J. ELECTRO ENTERPRISES NASHIK., १३२२२ ग.प. क्र ३१६०५ या विद्युत ठेकेदाराची राहिल
- ८) प्रत्यक्ष जोडणार/ गापरानुसार नियंत्रक रियुविगिअर रिलेचे सेटिंग करून घेणे बंधनकारक राहिल.
- ९) जनित्र वापर- दृष्टीय / त्रयस्थ फ्ल वापर

Alternator Details	Prime Mover Details	Energy Meter Details
Make:-JYOTI LTD	Make:-JYOTI LTD	Make:-ELSTER
Capacity:-१७०५.००	Capacity:-१७०५.००	Meter Ratio:-३३KV/११०V
Serial No:-२५०९६	Serial No:-४५७/७०४	Serial No:-२८०५५१०
Generation Voltage:-३३००.००		CT Ratio:-२५/१
Power Factor:-०.८५		Multiplying Factor:-७५
Power Cable:-३.३ KV XLPE CU ARMD,३ X ३००MM ²		Initial Reading:-२४५.००

महाराष्ट्र विद्युत शुल्क नियम १९६२, नियम क्रमांक ४ नुसार (महाराष्ट्र विद्युत शुल्क अधिनियम २०१६ च्या अनुसुचितील भाग -ख- मधील भाग -क-) जनित्र नोंदणी करून घेणे बंधनकारक आहे.


 अधीक्षक अभियंता,
 प्रादेशिक विद्युत निरीक्षण मंडळ,
 उद्योग ऊर्जा व कानगर विभाग
 औरंगाबाद

अधीक्षक अभियंता

Before the
MAHARASHTRA ELECTRICITY REGULATORY COMMISSION
 World Trade Centre, Centre No.1, 13th Floor, Cuffe Parade, Mumbai 400005
 Tel. 022 22163964/65/69 Fax 22163976
 Email: mercindia@merc.gov.in
 Website: www.merc.gov.in

Date: 8 May 2023

CORAM: Sanjay Kumar, Chairperson
 I. M. Bohari, Member
 Mukesh Khullar, Member

IA No. 27 of 2023 in Case No. 57 of 2023

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Shreehari Associates Private Limited....

Petitioner

Maharashtra State Electricity Distribution Co. Ltd. (MSEDCL)

Government of Maharashtra Water Resources Department (GOMWRD)

Maharashtra Energy Development Agency

} Respondents

Appearance:

For the Petitioner:

: Ms. Dipali Sheth (Adv.)

For the Respondent:

: Mr. Abhishek Khare (Adv)

Daily Order

1. Heard the Advocate of Petitioner and Respondent.
2. An advocate on behalf of SAPL stated that the project under consideration is an irrigation based hydro project. Now, irrigation rotation has been planned for this month i.e. May. The project is ready for commissioning. MSEDCL is not issuing Permission to Commission (PTC) and coercing SAPL to supply free electricity in lieu of issuing PTC. In the interim, till tariff is duly determined by Commission, SAPL has proposed that the power may be procured by MSEDCL at ad-hoc tariff of Rs. 3.85 per unit.
3. After taking instructions, Advocate appearing for MSEDCL stated that MSEDCL agrees to procure power at the rate of Rs.3.85 per unit as an interim arrangement till final disposal of the matter.

4. Considering submissions made, the Commission allows interim arrangement of procuring power by MSEDCL at ad-hoc tariff of Rs. 3.85 per unit till final disposal of the main matter and accordingly directs MSEDCL to issue PTC. Accordingly, the Commission disposes of IA No.27 of 2023.
5. Main matter i.e. Case No.57 of 2023 is filed for determination of project specific tariff, which will be decided after following up due public consultation process.

Sd/-
(Mukesh Khullar)
Member

Sd/-
(I. M. Bohari)
Member

Sd/-
(Sanjay Kumar)
Chairperson

From: Kapil Hokarne <bothead.sapl@gmail.com>
Sent: 14 June 2023 13:20
To: Chief Engineer Renewable Energy
Cc: Director Comm; senskurban2019@gmail.com
Subject: Re: Mukane 1.45 MW SHP

Gentle reminder: 3

On Fri, Jun 9, 2023 at 12:58 PM Kapil Hokarne <bothead.sapl@gmail.com> wrote:

This is with reference to your email dated 07/06/2023, as well our given explanation in the meeting held at Prakashgad, Mumbai on 08.06.2023, in presence of Chief Engineer (Renewable), Mrs. Kavita Gharat Madam and Executive Engineer (Renewable), Mr. Amit Bute Sir, (Please find attachments).

Considering Order of Hon'ble Commissions/MERC dated 08 May 2023, we are once again requested, kindly issue PTC to us(SAPL) for our 1.45 MW Mukane Hydro Power Project, located at Mukane village, Taluka-Igatpuri, District-Nashik, on the ad-hoc tariff of Rs. 3.85/- (Rupees Three and Eighty Five Paise Only) kWh urgently, as day by day availability of water head is reducing at Mukane Dam and in spite of investing our huge funds, we are unable to generate green energy and also not able to fetch any kind of revenue, though project is ready to generate the energy from our side.

Regards,

Kapil Hokarne
Shreehari Associates (P) Ltd.
Ch. Sambhajinagar (MH)

From: Kapil Hokarne <bothead.sapl@gmail.com>
Sent: 17 June 2023 18:06
To: Chief Engineer Renewable Energy
Cc: Director Comm; Superintending Engineer; Dipali Sarvaiya Sheth
Subject: Re: Mukane 1.45 MW SHP

Gentle reminder :4

R/s Madam,

Final water rotation of the season started today @5:30pm from Mukane dam.

One again request you to please provide PTC on most priority basis.

Since MERC order we have already lost 25 days rotation in May,2023; it's huge losses for us.

Regards,

Kapil Hokarne
Shreehari Associates (P) Ltd.

Harsh

From: contact@eternitylegal.com
Sent: 20 June 2023 19:22
To: ceremsedcl@gmail.com; cecomm@mahadiscom.in; senskurban2019@gmail.com; ceppmsedcl@gmail.com; cecommho@gmail.com
Cc: secretary@merc.gov.in; mercindia@merc.gov.in; hema.moti@merc.gov.in; shrinivas.koduri@merc.gov.in; ravi.gijare@merc.gov.in; Nilesh.davle@merc.gov.in; sandeep.naware@merc.gov.in; bothead.sapl@gmail.com; hydro@sapl.biz; dipali@eternitylegal.com; associate@eternitylegal.com; associate2@eternitylegal.com
Subject: Legal Notice on behalf of Shreehari Associates Private Limited for not issuing permission to commission for their Mukane Hydro Power Project
Attachments: Legal Notice on behalf of Shreehari Associates Private Limited - 20.06.2023.pdf
Importance: High

Dear All,

We are concerned for our Client viz; Shreehari Associates Private Limited (“**Client**”).

Please find attached scanned copy of Legal Notice dated June 20, 2023 for and on behalf of our Client (contents of which are self-explanatory) as and by way of service upon you.

If you require any further information or clarification, please do not hesitate to contact us.

Warm regards,



D-226, Neelkanth Business Park, Near Neelkanth Kingdom, Vidyavihar Station Road, Vidyavihar (West), Mumbai - 400 086.

Tel: +91 22 2515 9001-02 | Office Mob: +91-8928059557

Email: contact@eternitylegal.com | Website: www.eternitylegal.com

Please consider the environment before printing this email.

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By Hand Delivery / Email

Ref: EL/DS/S-089/563/2023

Date: June 20, 2023

To,

- Maharashtra State Electricity Distribution Company Limited**
Plot No. G - 9, Prakashgad - 5th Floor,
Station Road, Bandra (East),
Mumbai - 400051.
Kind Attn: Chief Engineer (Renewable Energy)
Email: ceremsedcl@gmail.com
- Maharashtra State Electricity Distribution Company Limited**
Plot No. G - 9, Prakashgad - 5th Floor,
Station Road, Bandra (East),
Mumbai - 400051.
Kind Attn: Chief Engineer (Commercial)
Email: cecomm@mahadiscom.in
- Maharashtra State Electricity Distribution Company Limited**
O&M Nashik Rural Circle
1st Floor, Vidyut bhavan, Nashik Road,
Nashik - 422101.
Kind Attn: Superintending Engineer
Email: senskurban2019@gmail.com

Respected Sirs,

Sub.: Legal Notice for not issuing permission to commission to Shreehari Associates Private Limited for their 1.45 MW Mukane Hydro Power Project located at Mukane Village, Taluka - Igatpuri, District- Nashik on the ad-hoc tariff of Rs. 3.85/- kWh.

Ref.: 1. Before the Hon'ble Maharashtra Electricity Regulatory Commission,
Interim Application No. 27 of 2023
In
Case No. 57 of 2023



Shreehari Associates Private Limited

...Petitioner

Versus

Maharashtra State Electricity Distribution Company Limited and Others ...Respondents

2. Letter dated May 10, 2023 bearing reference No. SAPL/BOT/HYDRO/MUKANE/2023-5-01 sent by Shreehari Associates Private Limited to Maharashtra State Electricity Distribution Company Limited;
3. Emails dated May 20, 2023 and May 25, 2023 sent by Shreehari Associates Private Limited to Maharashtra State Electricity Distribution Company Limited;
4. Email dated May 25, 2023 sent by Maharashtra State Electricity Distribution Company Limited to Shreehari Associates Private Limited;
5. Email dated June 5, 2023 sent by Shreehari Associates Private Limited to Maharashtra State Electricity Distribution Company Limited;
6. Email dated June 7, 2023 sent by Maharashtra State Electricity Distribution Company Limited to Shreehari Associates Private Limited; and
7. Emails dated June 9, 2023, June 14, 2023 and June 17, 2023 sent by Shreehari Associates Private Limited to Maharashtra State Electricity Distribution Company Limited.

We are concerned for our Client viz.; Shreehari Associates Private Limited ("SAPL"), a private company registered under the Companies Act, 1956 bearing Corporate Identity Number: U17100MH2001PTC200611 and having their registered address at Saisharan, Gut No. 41, Paithan Road, Golwadi, Aurangabad - 431005, Maharashtra, India and also having office address at Plot No. 36, Gut No. 41, Golwadi, Paithan - Waluj Link Road, Aurangabad - 431005, Maharashtra, India. Under the instructions of our Client, we wish to state as follows:

1. Pursuant to the hearing held on May 8, 2023 before the Hon'ble Maharashtra Electricity Regulatory Commission ("MERC"), the Counsel appearing on behalf of Maharashtra State Electricity Distribution Company Limited ("MSEDCL") submitted that MSEDCL agrees to procure power at the rate of Rs. 3.85/- (Rupees Three and Eighty Five Paise Only) kWh per unit as an interim arrangement till the final disposal of the matter. Consequently, Hon'ble MERC vide daily order dated May 8, 2023 recorded the interim arrangement for procuring power by MSEDCL at an ad-hoc tariff of Rs. 3.85/- (Rupees Three and Eighty Five Paise Only) kWh per unit till the final disposal of the main matter and directed MSEDCL to issue permission to commission ("PTC") to SAPL. The relevant portion of the Daily Order dated May 8, 2023 passed by the Hon'ble State Commission in Case No. 57 of 2023 is reproduced below for your ready reference:

“3. After taking instructions, Advocate appearing for MSEDCL stated that MSEDCL agrees to procure power at the rate of Rs.3.85 per unit as an interim arrangement till final disposal of the matter.

4. Considering submissions made, the Commission allows interim arrangement of procuring power by MSEDCL at ad-hoc tariff of Rs. 3.85 per unit till final disposal of the main matter and accordingly directs MSEDCL to issue PTC. Accordingly, the Commission disposes of IA No. 27 of 2023.”

2. Our Client vide its letter dated May 10, 2023 bearing reference No. SAPL/BOT/HYDRO/MUKANE/2023-5-01 requested MSEDCL to issue PTC to SAPL for their 1.45 MW Mukane Hydro Power Project located at Mukane village, Taluka - Igatpuri, District – Nashik (“**Mukane Hydro Power Project**”) on the ad-hoc tariff of Rs. 3.85/- (Rupees Three and Eighty Five Paise Only) kWh per unit urgently, as the water rotation at Mukane was to commence from May 10, 2023.
3. Our Client vide its various emails dated May 20, 2023 and May 25, 2023 requested you to issue PTC to SAPL as the water rotation at Mukane had already commenced on May 10, 2023 and that due to the non-issuance of PTC precious renewable energy was being wasted which could have been generated by way of the hydro project as it is a source of renewable power in order to reduce reliability upon conventional and non-renewable sources of electricity.
4. MSEDCL vide its email dated May 25, 2023 requested SAPL to submit the valid Electrical Inspection charging permission mentioning the list of equipment and its ratings. Therefore, our Client immediately approached Chief Electrical Inspector to certify the same.
5. Our Client vide its email dated June 5, 2023 to MSEDCL submitted the inspection report issued by the Electrical Inspector vide its letter dated June 5, 2023 bearing reference No. EIN/TECH/2022-23/758. The inspection report has categorically stated that the inspection of SAPL’s Mukane Hydro Electric Project has been done and the general condition of the Mukane Hydro Electric Project is in order as per the relevant provisions of the Central Electricity Authority (Measures relating to Safety

HP

and Electric Supply) Regulations, 2010. The relevant portion of the letter dated June 5, 2023 is reproduced below for your ready reference:

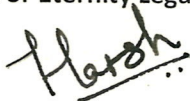
“Whereas the inspection of your electrical installation was done by the undersigned on 29.05.2023 and the general condition of the electrical apparatus are found to be in order as per the relevant provisions of the CEA (Measures relating to Safety and Electric Supply) Regulation, 2010 (as amended till date).”

6. However, to our Client's utter shock MSEDCL vide its email dated June 7, 2023 again requested our Client to submit the Electrical Inspector's charging permission along with the list of equipment and its ratings.
7. Our Client vide its email dated June 9, 2023 with reference to the MSEDCL's email dated June 7, 2023 as well as to the discussions held in the meeting dated June 8, 2023 at Prakashgad, Mumbai in the presence of Mrs. Kavita Gharat, Chief Engineer (Renewable), and Mr. Amit Bute, Executive Engineer (Renewable) once again requested MSEDCL to immediately issue PTC for their Mukane Hydro Power Project and purchase hydro power generated on the ad-hoc tariff of Rs. 3.85/- (Rupees Three and Eighty Five Paise Only) kWh per unit, as day by day the availability of water head is reducing at the Mukane Dam. We regretfully wish to state that despite unambiguous direction and the Hon'ble MERC's Order our Client is unable to generate any revenue from the Mukane Hydro Power Project. It may also be appreciated that our Client has invested huge funds for developing the Mukane Hydro Power Project and in absence of PTC our Client is unable to generate green energy which is loss of natural resource.
8. Our Client vide its email dated June 14, 2023 again sent a remainder to you and called upon MSEDCL to issue PTC for their Mukane Hydro Power Project.
9. Our Client vide its email dated June 17, 2023 again requested you to issue PTC on an urgent basis as the final water rotation for the season has started for the Mukane Dam and more than twenty three (23) days have elapsed since the first water rotation was completed. Due to non-grant of PTC, our Client has suffered a loss for which MSEDCL shall be liable for a period from May 11, 2023 to June 2, 2023.

10. Despite complying with the requisition and unambiguous order of Hon'ble MERC dated May 8, 2023, MSEDCL has till date failed to issue PTC to SAPL. Such non-compliance is a breach of the undertaking given before the Hon'ble MERC and such non-issuance of PTC is contempt of the aforesaid Order.
11. In the aforesaid circumstances, we hereby once again call upon MSEDCL **to forth with issue PTC and to procure power when generated at an ad-hoc rate of Rs. 3.85 (Rupees Three and Eighty Five Paise Only) kWh per unit till final determination of tariff**, failing which we shall be constrained to advise our Client to avail appropriate remedies available under law.

We look forward to urgently hear from you.

Thanking you,
Yours faithfully
For Eternity Legal



Authorised Signatory

Cc:
The Secretary,
Maharashtra Electricity Regulatory Commission,
Centre I, 13th Floor, World Trade Centre,
Cuffe Parade, Colaba,
Mumbai - 400 005.
Email: secretary@merc.gov.in

From: **Chief Engineer Renewable Energy** <ceremsedcl@gmail.com>

Date: Fri, 23 Jun, 2023, 3:36 pm

Subject: Permission to commission (PTC) for 1.45 MW Mukane Small Hydro project of M/s Shreehari Associates Pvt. Ltd. at Igatpuri, Dist. - Nashik.

To: SE Nashik Rural <senasikr@gmail.com>, SE Nashik U Daroli <senashik@gmail.com>, E E Admin Bankar Madam <senskurban@gmail.com>, Superintending Engineer <senskurban2019@gmail.com>, senskrural <senskrural@mahadiscom.in>, senskurban <senskurban@mahadiscom.in>, SE Urban Nashik <senskurban@rediffmail.com>

Cc: Director Comm <directorcommsedcl@gmail.com>, <dkalyan@mahadiscom.in>, CE Nashik <cenashik@gmail.com>, CE Nashik <cenashik@mahadiscom.in>, Chief Engineer <cenashik@rediffmail.com>, Chief Engineer (Electrical) Hydro Project, WRD, Maharashtra. <ceehpwr@gmail.com>, meda <meda@mahaurja.com>, Kapil Hokarne <bothead.sapl@gmail.com>

PFA

--

Chief Engineer (Renewable Energy),
"Prakashgad", MSEDCL,
Bandra (E), Mumbai



(A Govt. of Maharashtra Undertaking)
CIN: U40109MH2005SGC153645



**Maharashtra State Electricity
Distribution Co. Ltd.**

Office of the Chief Engineer (Renewable Energy)
"Prakashgad", 5th Floor, Station Road, Bandra (E),
Mumbai -400 051.
Tel.: (P) 26580645, (O) 26474211, Fax : (022) 2658 0656
Email: ceremsedcl@gmail.com, Website:
www.mahadiscom.in

No. CE/RE/SHP/PTC/

NO 19 02 0

Date:

23 JUN 2023

To,
The Superintending Engineer,
O&M Circle, MSEDCL,
Nashik Circle.

Sub: Permission to commission (PTC) for 1.45 MW Mukane Small Hydro project of M/s Shreehari Associates Pvt. Ltd. at Igatpuri, Dist. - Nashik.

Ref: (1) PPA Executed with M/s. SAPL dated 06.05.2015.
(2) MERC daily Order in Case No 57 of 2023.

With ref. to above subject, Hon. MERC vide daily order under ref. no. (2) directed MSEDCL to issue permission to commission (PTC) in respect of 1.45 MW Mukane Small Hydro project of M/s. Shreehari Associates Private Limited (SAPL) at Mukane Dam, Dist.- Nashik.

In view of the above, the Competent Authority of MSEDCL has accorded its approval for permission to commission subject to following terms and conditions:

- The permission for commissioning of the said Small Hydro project shall be valid for 30 days from the date of this letter.
- MSEDCL will buy power from 1.45 MW Mukane SHP at the tariff offered of Rs. 3.85 p.u. till final disposal of the main matter sub-judice before Hon'ble MERC. The Final Order of the Hon'ble Commission (MERC) shall be binding on M/s. SAPL.
- The permission to commission is granted subject to the condition that all the statutory clearances are obtained by the generator and are in place and all the relevant Regulations including DSM or MERC RE FORECASTING and SCHEDULING Regulations as applicable are to be complied with.
- The generator shall take start-up/auxiliary connection in its name as per applicable tariff category.
- M/s SAPL has to follow grid discipline & prevailing rules & Regulations.

- f) M/s SAPL may carry out arrangement regarding visibility of real time generation data to SLDC through RTU-DC & V-SAT in line with relevant Regulations applicable from time to time.
- g) In case of emergency / to ensure grid security, the instructions issued by the State Load Dispatch Center from time to time shall be binding on the Small Hydro generator and the plant shall back down or shut down the generation if system conditions so warrant. The Small Hydro generator shall not be entitled for any compensation whatsoever in such case.
- h) After commissioning of the project, the certificate of commissioning shall be issued by the Superintending Engineer O&M of concerned circle office who shall be the Nodal Officer for technical arrangements.
- i) It will be the sole responsibility of Nodal Officer to ensure monitoring and adherence of all the stipulated terms & conditions by the Small Hydro generator as mentioned above and will also abide by the conditions mentioned in the undertaking and will be personally held responsible for deviation if any.

This is for your information and further necessary action.



Chief Engineer (Renewable Energy)

Copy s. w. rs. to:

- i) The Director (Commercial), MSEDCL, Prakashgad, Mumbai – 400051.
ii) The Regional Executive Director, MSEDCL, Kokan Region, Kalyan

Copy f. w. cs. to:

- i) The Chief Engineer, MSEDCL, O&M Zone, Nashik
ii) The Chief Engineer (Electrical), Govt. of Maharashtra, Water Resource Dept., 4th floor, HSBC Bldg., Fort, Mumbai; email- ccehpwr@gmail.com
iii) General Manager, MEDA, Aundh Road, Opposite Spicer College, Near Commissionerate of Animal Husbandry, Pune - 411 067.: meda@mahaurja.com

Copy to:

M/s Shreehari Associates Pvt. Ltd., Plot No. 36, Gut No. 41, Golwadi Paithan - Waluj Link Road, Aurangabad - 431005
Email: bothead.sapl@gmail.com

On Mon, Jun 26, 2023 at 9:32 AM Harshal . <hydro@sapl.biz> wrote:

Respected sir,
Please find attached letter.

Thanks

Harshal Ahire

Shreehari associates Pvt Ltd.

8888818919

hydro@sapl.biz



Ref. No. - SAPL/Mukane HEP/260623
Date: 26 June 2023.

To,
Superintending Engineer,
Nashik Circle, MSEDCL,
Vidyut Bhavan, 1st floor,
Bitco Chowk, Nasik Road, Nasik.

Sub:- Mukane small Hydro Electric project (1X1450 KW) at Mukane village, Tel- Igatpuri, Dist.- Nasik.
M/s Shreehari Associates Pvt Ltd, Ch. Sambhajinagar: Request for permission to commissioning (PTC)

Ref.:- 1) MSEDCL Head office letter No. CE/RE/SHP/PTC/19020.
2) MERC order – IA No. 27 of 2023 in case no 57 of 2023. Date 08/05/2023.

Respected sir,

With reference to above subject and given references, We are having regards for granting permission for commissioning of 1.45 MW Mukane Small Hydro project, as mentioned in reference no.3 and granted permission is valid for 30 days only from the date of issuance of above letter.

It is also well within in your knowledge that, above project is ready for commissioning since long time from our side.

We are planning to commission of the Mukane Hydro Electric Project (1x1450 KW) during the period of 26th June-2023 to 28th June-2023. Further it is also requires to be noted that, the rotation of the water from above dam is in existing continue, which is going to be stopped from 29th June-2023 and thereafter due to stoppage of rotation of water, hence commissioning of the project is requires to be conducted during the period from 26th June to 28th June-2023.

Considering the above facts, we are requesting that, kindly depute your office representative on site during the above period only, by pre-intimating to us their exact the date of availability of them, on above site, in whose presence necessary commissioning process can be completed by us. If you intimate us in advance, the exact date of their appearance on site, then it will be convenience for us for making necessary arrangement accordingly for commissioning purpose.

Thanking you and we are expecting your necessary cooperation and assistance for commissioning of project during the above period.

Thanking you

You're truly

For Shreehari Associates (P) Ltd.

Copy to/-

1. Executive Engineer, MSEDCL Rural testing division, Satpur, Nashik.
2. Executive Engineer, MSEDCL, Rural division, vidyut bhavan, Nashik.
3. Dy. Engineer, MSEDCL, Sub division, Igatpuri, Nashik.
4. Assistant Engineer, MSEDCL, section office, wadiwara.
5. Substation incharge, padali substation, Padali

Plot No. 36, Gut No. 41, Golwadi, Paithan - Waluj Link Road, Aurangabad - 431005. (MS)
☎ - 0240-2376648/49, Email : office@sapl.biz

Received
म.रा.वि.वि.कं.मर्या.
नाशिक शहर मंडल
26/6/2023



(A Govt. of Maharashtra Undertaking)
CIN: U40109MH2005SGC153645



**Maharashtra State Electricity
Distribution Co. Ltd.**

Office of the Chief Engineer (Renewable Energy)
"Prakashgad", 5th Floor, Station Road, Bandra (E),
Mumbai -400 051.
Tel.: (P) 26580645, (O) 26474211, Fax : (022) 2658 0656
Email: ceremsedcl@gmail.com, Website:
www.mahadiscom.in

No. CE/RE/SHP/PTC/ No 19020

Date: 23 JUN 2023

To,
The Superintending Engineer,
O&M Circle, MSEDCL,
Nashik Circle.

Sub: Permission to commission (PTC) for 1.45 MW Mukane Small Hydro project of M/s Shreehari Associates Pvt. Ltd. at Igatpuri, Dist. - Nashik.

Ref: (1) PPA Executed with M/s. SAPL dated 06.05.2015.
(2) MERC daily Order in Case No 57 of 2023.

With ref. to above subject, Hon. MERC vide daily order under ref. no. (2) directed MSEDCL to issue permission to commission (PTC) in respect of 1.45 MW Mukane Small Hydro project of M/s. Shreehari Associates Private Limited (SAPL) at Mukane Dam, Dist.- Nashik.

In view of the above, the Competent Authority of MSEDCL has accorded its approval for permission to commission subject to following terms and conditions:

- The permission for commissioning of the said Small Hydro project shall be valid for 30 days from the date of this letter.
- MSEDCL will buy power from 1.45 MW Mukane SHP at the tariff offered of Rs. 3.85 p.u. till final disposal of the main matter sub-judice before Hon'ble MERC. The Final Order of the Hon'ble Commission (MERC) shall be binding on M/s. SAPL.
- The permission to commission is granted subject to the condition that all the statutory clearances are obtained by the generator and are in place and all the relevant Regulations including DSM or MERC RE FORECASTING and SCHEDULING Regulations as applicable are to be complied with.
- The generator shall take start-up/auxiliary connection in its name as per applicable tariff category.
- M/s SAPL has to follow grid discipline & prevailing rules & Regulations.

Page 1 of 2

Permission to commission (PTC) for 1.45 MW Mukane Small Hydro project of M/s Shreehari Associates Pvt. Ltd. at Igatpuri, Dist. - Nashik.

2023.06.26 08:51

- f) M/s SAPL may carry out arrangement regarding visibility of real time generation data to SLDC through RTU-DC & V-SAT in line with relevant Regulations applicable from time to time.
- g) In case of emergency / to ensure grid security, the instructions issued by the State Load Dispatch Center from time to time shall be binding on the Small Hydro generator and the plant shall back down or shut down the generation if system conditions so warrant. The Small Hydro generator shall not be entitled for any compensation whatsoever in such case.
- h) After commissioning of the project, the certificate of commissioning shall be issued by the Superintending Engineer O&M of concerned circle office who shall be the Nodal Officer for technical arrangements.
- i) It will be the sole responsibility of Nodal Officer to ensure monitoring and adherence of all the stipulated terms & conditions by the Small Hydro generator as mentioned above and will also abide by the conditions mentioned in the undertaking and will be personally held responsible for deviation if any.

This is for your information and further necessary action.


Chief Engineer (Renewable Energy)

Copy s. w. rs. to:

- i) The Director (Commercial), MSEDCL, Prakashgad, Mumbai – 400051.
ii) The Regional Executive Director, MSEDCL, Kokan Region, Kalyan

Copy f. w. cs. to:

- i) The Chief Engineer, MSEDCL, O&M Zone, Nashik
ii) The Chief Engineer (Electrical), Govt. of Maharashtra, Water Resource Dept., 4th floor, HSBC Bldg., Fort, Mumbai; email- ceehpwr@gmail.com
iii) General Manager, MEDA, Aundh Road, Opposite Spicer College, Near Commissionerate of Animal Husbandry, Pune - 411 067.: meda@mahaurja.com

Copy to:

M/s Shreehari Associates Pvt. Ltd., Plot No. 36, Gut No. 41, Golwadi Paithan - Waluj Link Road, Aurangabad - 431005
Email: bothead.sapl@gmail.com

Before the
MAHARASHTRA ELECTRICITY REGULATORY COMMISSION
 World Trade Centre, Centre No.1, 13th Floor, Cuffe Parade, Mumbai 400005
 Tel. 022 22163964/65/69 Fax 22163976
 Email: mercindia@merc.gov.in
 Website: www.merc.gov.in

Date: 8 May 2023

CORAM: Sanjay Kumar, Chairperson
 I. M. Bohari, Member
 Mukesh Khullar, Member

IA No. 27 of 2023 in Case No. 57 of 2023

Interlocutory Application of Shreehari Associates Private Limited for seeking urgent reliefs in Case No. 57 of 2023.

Shreehari Associates Private Limited....

Petitioner

Maharashtra State Electricity Distribution Co. Ltd. (MSEDCL)

Government of Maharashtra Water Resources Department (GOMWRD)

Maharashtra Energy Development Agency

} Respondents

Appearance:

For the Petitioner:

: Ms. Dipali Sheth (Adv.)

For the Respondent:

: Mr. Abhishek Khare (Adv)

Daily Order

1. Heard the Advocate of Petitioner and Respondent.
2. An advocate on behalf of SAPL stated that the project under consideration is an irrigation based hydro project. Now, irrigation rotation has been planned for this month i.e. May. The project is ready for commissioning. MSEDCL is not issuing Permission to Commission (PTC) and coercing SAPL to supply free electricity in lieu of issuing PTC. In the interim, till tariff is duly determined by Commission, SAPL has proposed that the power may be procured by MSEDCL at ad-hoc tariff of Rs. 3.85 per unit.
3. After taking instructions, Advocate appearing for MSEDCL stated that MSEDCL agrees to procure power at the rate of Rs.3.85 per unit as an interim arrangement till final disposal of the matter.

Page 1 of 2

4. Considering submissions made, the Commission allows interim arrangement of procuring power by MSEDCL at ad-hoc tariff of Rs. 3.85 per unit till final disposal of the main matter and accordingly directs MSEDCL to issue PTC. Accordingly, the Commission disposes of IA No.27 of 2023.
5. Main matter i.e. Case No.57 of 2023 is filed for determination of project specific tariff, which will be decided after following up due public consultation process.

Sd/-
(Mukesh Khullar)
Member

Sd/-
(I. M. Bohari)
Member

Sd/-
(Sanjay Kumar)
Chairperson



Government of Maharashtra
Office of the Electrical Inspector,
Industries, Energy & Labour Department

First Floor, Mahalaxmi

Tel. No. : 0253-2594726

Chambers,

Email ID: einashik.nrg-mh@gov.in
001

Mumbai – Agra Road, Dwarka, Nashik – 400

No.: EIN/TECH/2022-23/ 758 || विद्युत् सुरक्षा,सर्वोच्च प्राथमिकता ||
To,

Date: 5/6/2023

M/s . Shreehari Associates Pvt. Ltd.,

Mukane Hydro Electric Project ,

Tal-Igatpuri , Dist –Nashik.

Subject: Annual Inspection of your Electrical Installation for Year 2023-2024 under regulation 30 of Central Electricity Authority (Measures Relating to Safety and Electric Supply), Regulations, 2010 (as amended till date).

Installation Equipment: - Details of equipment inspected are as per list of equipment's approved earlier.

Sir,

Whereas the inspection of your electrical installation was done by the undersigned on 29.05.2023 and the general condition of the electrical apparatus are found to be in order as per the relevant provisions of the CEA (Measures relating to Safety and Electric Supply) Regulation, 2010 (as amended till date).

The consistent compliance of relevant provisions of CEA (Measures relating to Safety and Electric Supply) Regulation, 2010 (as amended till date) shall be ensured for safety in operation and maintenance of the above electrical installation. If any changes made to existing system after issue of this certificate , this certificate stands cancelled .



(B. K. Ugale)

Electrical Inspector – Gr. A

INDUSTRIES ENERGY AND LABOUR DEPARTMENT

Electrical Inspection Division, NASHIK



Government of Maharashtra
Office of the Electrical Inspector,
Industries, Energy & Labour Department

Tel. No. : 0253-2594726

Email ID: cinashik.nrg-mh@gov.in

First Floor, Mahalaxmi Chambers,
Mumbai – Agra Road, Dwarka, Nashik – 400 001

No. EIN/TECH/ 662 /2022

Date: 10/06/2022

To,

M/S Shreehari Associates Pvt. Ltd.,
Mukane Hydro Electric Project,
Tal-Igatpuri, Dist-Nashik.

Subject: Inspection of your Electrical Installation under regulation 30 & 43 of Central Electricity Authority (Measures Relating to Safety and Electric Supply), Regulations, 2010 (as amended till date).

Ref: 1) Permission No.515002906201901235, Date 01/10/2019
2) Permission No.0EI516002401202059704, Date 24/01/2020

Installation Equipment: - Details of equipment inspected are as per list of equipment's approved earlier.

Sir,

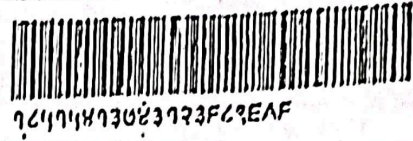
Whereas the inspection of your electrical installation was done by the undersigned on date 13/05/2022 and the general condition of the electrical apparatus are found to be in order as per the relevant provisions of the CEA (Measures relating to Safety and Electric Supply) Regulation, 2010 (as amended till date).

The consistent compliance of relevant provisions of CEA (Measures relating to Safety and Electric Supply) Regulation, 2010 (as amended till date) shall be ensured for safety in operation and maintenance of the above electrical installation. If any changes made to existing system after issue of this certificate, this certificate stands cancelled.



(B.K.Ugale)

Electrical Inspector-Gr-A
Industry, Energy & Labour Department
Nashik



गवाराणू शाराग
अधीक्षक अभियंता, औरंगावाड
उद्योग, ऊर्जा व कागगार विभाग

अधीक्षक अभियंता, औरंगावाड अधीक्षक अभियंता प्रादेशिक विद्युत निरीक्षण मंडळ, शिवदास
ट्रेड सेंटर, प्लॉट नं. ११, हॉल नं. ४, पहिला मजला, त्रिमुर्ती चौक, जवाहर कॉलनी, हैडगेवार
हॉस्पिटल रोड, औरंगावाड-४३१००५

E-mail ID : seaurangabad.nrg-nh@gov.in
Permission No. : ५१५००२१०६२०१९०१२३५

दूरध्वनी क्र. : ०२४०-२४८००४६
दिनांक : ०१/१०/२०१९

प्रति,
MIHIRR SACHIN MULAY,
PLOT NO ३६, GOLWADI, PAITHAN WALINJ LINK RD.

विषय :- FINAL CHARGING PERMISSION OF १.४५ MW HYDRO POWER PLANT WITH ALLIED EQUIPMENTS AT MUKANE HEP
MUKANE DAM NASHIK

संदर्भ :- १) नकारा मंजुरी क्रमांक: १८५१५४१३०४३१११८१५४ दिनांक: ०८/१२/२०१८
२) M/S MIHIRR SACHIN MULAY यांचे पत्र क्र १८५१५४१३०४३१२३६९६९६९ दिनांक: ०१/१०/२०१९

यरील संदर्भाकित विषयास अनुसरून वर उल्लेखलेल्या ठिकाणच्या जनित्रसंघमांडणीचे निरीक्षण ह्या कार्यालया मार्फत दिनांक:
२१/०६/२०१९ रोजी करण्यात आले. त्यात केंद्रीय विद्युत प्राधिकरण (विद्युत पुरवठा व सुरक्षा संबंधी उपाय योजना) विनियम २०१० चे विनियम
३२ अन्वये कार्यान्वित करण्याची कायमरूपी परवानगी याद्वारे खालील अटीच्या अधीन प्राप्त देण्यात येत आहे.

- १) विद्युत कायदा २००३ व केंद्रीय विद्युत प्राधिकरण विनियम २०१० (व सुधारीत विनियम २०१५ मधील तरतुदीचे सुरक्षिततेच्या दृष्टीने काटेकोर पालन करावे. :
- २) जनित्रसंघमांडणीतील यदल, देखभाल व दुरुस्ती केंद्रीय विद्युत प्राधिकरण विनियम २०१० चे विनियम २१ अन्वये परवानाधारक विद्युत टेंकेंदार/प्राधिकृत व्यक्तीमार्फतच करण्यात यावी. यात दुर्लक्ष केलेले आढळल्यास त्यास आपण सर्वस्वी जबाबदार राहाल याची नोंद घ्यावी.
- ३) जनित्र निर्मित योज उत्पादनाची नोंदपही विहित नमुन्यात ठेवावी.
- ४) नियमित परतावे व विद्युत शुल्क मुदतीत भरणे जनित्र धारकास बंधनकारक आहे.
- ५) विद्युत निरीक्षकाच्या पूर्व परवानगी शिवाय सदर संघमांडणीत कोणताही फेरबदल करू नये अन्वया सदर परवानगी आपोआप रद्द होईल याची नोंद घ्यावी. :
- ६) सदर संघमांडणी ६ महिन्यात कार्यान्वित न केल्यास ग्राह्य राहणार नाही.
- ७) विद्युत संघमांडणीच्या प्राप्त पापणी अहवालानुसार त्याच्या रात्यतेची जबाबदारी मे. ए. डी. क्र M/S K.J. ELECTRO ENTERPRISES NASHIK. , १३२२२ ग.प.क्र ३१६०५ या विद्युत ठेकेदाराची राहिल
- ८) प्रत्यक्ष जोडगार/ गापरानुसार नियंत्रक त्रियमिअर दिलेचे रोटिंग करून घेणे बंधनकारक राहिल.
- ९) जनित्र मापर- थंडीथ / प्रयाथ फा. मापर

Alternator Details	Prime Mover Details	Energy Meter Details
Make:-JYOTI LTD	Make:-JYOTI LTD	Make:-ELSTER
Capacity:-१७०५.००	Capacity:-१७०५.००	Motor Ratio:-३३KV/११०V
Serial No:-२५०९६	Serial No:-४५७/७०४	Serial No:-२८०५५१०
Generation Voltage:-३३००.००		CT Ratio:-२५/१
Power Factor:-०.८५		Multiplying Factor:-७५
Power Cable:-३.३ KV XLPE CU ARMO, ३ X ३००MM ^२		Initial Reading:-२४५.००

महाराष्ट्र विद्युत शुल्क नियम १९६२, नियम क्रमांक ४ मुसार (महाराष्ट्र विद्युत शुल्क अधिनियम २०१६ च्या अनुसूचित भाग -ख- गतील भाग -क-) पत्रिच नोंदणी करून घेणे मंथनकारक आहे.

अधीक्षक अभियंता,
प्रादेशिक विद्युत निरीक्षण मंडळ,
उद्योग ऊर्जा व कानगार विभाग
औरंगाबाद

अधीक्षक अभियंता



१९५१६४१५३४३५४६४६८३१

गहाराष्ट्र शासन
उद्योग, ऊर्जा व कामगार विभाग
विद्युत निरीक्षक, नाशिक.
विद्युत निरीक्षक, विद्युत निरीक्षण विभाग, नाशिक उद्योग ऊर्जा व कामगार विभाग, महालक्ष्मी
चेंबर्स, टाकळी फाटयासमोर, मुंबई-आग्रा रोड, नाशिक-४२२००१.

E-Mail : olnasik.nrg-mh@gov.in

दूरध्वनी क्रमांक : ०२५३-२५७२६२६

Permisslon No.: ०E1५१६००२४०१२०२०५९७०४

दिनांक : २४/०१/२०२०

प्रति,

Manager, SHREEHARI ASSOCIATES PVT LTD, PLOT NO ३६, GOLWADI

विषय :- CHARGING PERMISSION FOR ३३ KV LINE

संदर्भ :- १९५१६४१५३४३५४६४६८३१, दिनांक :- २३/०१/२०२०

यरील विषयास अनुसरून उपरोक्त विद्युत संघर्मांडणीचे विद्युत निरीक्षक, नाशिक. या कार्यालयामार्फत दि
२४/०१/२०२० रोजी निरीक्षण करण्यात आले. केंद्रीय विद्युत प्राधिकरण (सुरक्षा व विद्युत पुरवठा संबंधीचे उपाय योजना)
विनियम २०१० च्या विनियम ४३ अन्वये दिलेल्या अधिकारानुसार व उपरोक्त विनियमातील तरतुदीनुसार PADALI
SUBSTATION WADIVARE SECTION ३३KV/ ११ KV SUBSTATION Padli Dēshमुख Jgatpuri Nashik
MAHARASHTRA ४२२००१ येथील विद्युत संघर्मांडणी ऊर्जापित करण्यासाठी अंतिम परवानगी Final Charging
Permission देण्यात येत आहे. त्याचा तपशील खालीलप्रमाणे आहे.

विद्युत ठेकेदाराचे नांव व म. उ. क्रमांक - Girish devidas bramhe & ३२७४५

विद्युत पर्यवेक्षकाचे नांव व म. उ. क्रमांक - Girish devidas bramhe & ५४२९५११

सादरील परवानगी खालील अटीच्या अधीन राहून देण्यात येत आहे.

- १) सादर विद्युत संघर्मांडणीची हाताळणी देखभाल व दुरुस्ती फक्त अनुज्ञाप्रीकारक विद्युत कंत्राटदार/प्राधिकृत व्यक्तीनेच करावयाची आहे.
- २) बीज कायदा २००३ व केंद्रीय विद्युत प्राधिकरण (सुरक्षा व विद्युत पुरवठा संबंधी उपाय योजना) विनियम २०१० मधील विनियम क्र. १६, ३०, ३५, ३९, ४६(५) तरतुदीचे पालन करणे आपल्यावर बंधनकारक आहे.
- ३) प्रत्यक्ष जोडभाट/वापरानुसार नियंत्रण स्वीपिंगअर रिजिंग करून घेणे बंधनकारक आहे.
- ४) बीज संघर्मांडणीचा कोणतीही बदल/वांट निम्नस्वाक्षरीकारांच्या परवानगेशिवाय करू नये.
- ५) उपरोक्त अटीचा भंग झाल्याचे तसेच निम्नस्वाक्षरीकारांच्या परवानगेशिवाय संघर्मांडणी फेरबदल केल्यास सादरील परवानगी आपोआप रद्द होईल.
- ६) विद्युत संघर्मांडणी, या परवानगीपत्राच्या दिनांकापासून ६ महिन्यात कार्यान्वित न केल्यास सादर परवानगी रद्द/ग्राह्य राहणार नाही.

Signature valid
Digitally Signed by
Hemant Gungurde

Date: 24-01-2020 6:20:37

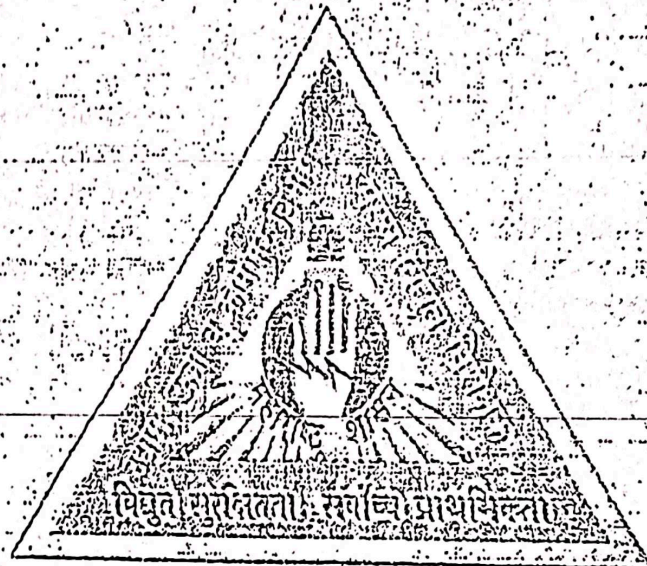
PM

विद्युत निरीक्षक, नाशिक.

१२५१६४१५३४३५४६१६८८३१

सामग्री / उपकरणों का तपशील

क्र.सं.	नाम	ब्रांड	वोल्टेज	क्षमता	संख्या	उपकरण क्र.
१	METERING CUBICAL	HUPEN	३३KV	२५ AMP	३	१५४३११५४३०१५४३३
२	VACCUM CKT BREAKER	CG	३३KV	१६०० AMP	१	६०४६५५५
३	CT	HUPEN	३३KV	१००AMP	३	१५०३००२१५०३००३१५०३००४
४	PT	HUPEN	३३KV	५० VA	३	१५०३००५१५०३००६१५०३००७
५	ISOLATOR WITH EB	TRITECH	३३KV	८०० AMP	२	FDE३५३FDE३५३
६	ISOLATOR WITHOUT EB	TRITECH	३३KV	८००AMP	१	FDE३५४
७	HT LINE	STANDARD AS PER NORMS	३३KV	१०० AMP	२.५	०



Signature valid
Digitally Signed by
Hemanth Gogurde

Date: 24-01-2020 6:20:37
समय निरीक्षक: नासिक

From: **Kapil Hokarne** <bothead.sapl@gmail.com>
Date: Tue, 27 Jun, 2023, 2:58 pm
Subject: Fwd: Mukane Small Hydro Electric project 1 X 1450 KW: Shreehari associates Pvt Ltd, Sambhajinagar.
To: Superintending Engineer <senskurban2019@gmail.com>
Cc: Chief Engineer Renewable Energy <ceremsedcl@gmail.com>, <cecomm@mahadiscom.in>, Maharashtra. <ceehpwr@gmail.com>, <eetnashik@gmail.com>, <eeenasikr@gmail.com>, <eeenasikr@gmail.com>, <sdo5401@gmail.com>, <sdo5401@gmail.com>, Harshal . <hydro@sapl.biz>

Respected sir,

Gentle reminder to issue PTC for Mukane 1.45 MW SHP.

This is with reference to

- 1) communication from CE (RE) MSEDCL office vide letter No. CE/RE/SHP/PTC/19020 dtd. 23.06.2023 and
- 2) our (SAPL) request letter to SE Nashik Circle vide letter No.: SAPL/Mukane HEP/260623 dtd. 26.06.2023 (Attached herewith)

Sir, we would like to notify that, **the water rotation from Mukane dam is continuing, which is going to be stopped on 29th June-2023**, so commissioning of the project is required to be conducted before 29.06.2023.

Considering the above facts, we kindly request you to issue permission on most priority and depute your office representative on site during the commissioning of the project , by pre-intimating to us.

expecting your immediate and necessary cooperation.

Regards,

Kapil Hokarne

Shreehari Associates (P) Ltd.

From: contact@eternitylegal.com
Sent: 28 June 2023 11:18
To: senskurban2019@gmail.com
Cc: ceremsedcl@gmail.com; cecomm@mahadiscom.in; ceppmsedcl@gmail.com; cecommho@gmail.com; secretary@merc.gov.in; mercindia@merc.gov.in; hema.moti@merc.gov.in; shrinivas.koduri@merc.gov.in; ravi.gijare@merc.gov.in; Nilesh.davle@merc.gov.in; sandeep.naware@merc.gov.in; bothead.sapl@gmail.com; hydro@sapl.biz; dipali@eternitylegal.com; shubham@eternitylegal.com; associate@eternitylegal.com; associate2@eternitylegal.com
Subject: Legal Notice on behalf of Shreehari Associates Private Limited for not issuing permission to commission for their Mukane Hydro Power Project
Attachments: Legal Notice on behalf of Shreehari Associates Private Limited - June 28, 2023.pdf
Importance: High

Dear All,

We are concerned for our Client viz; Shreehari Associates Private Limited (“**Client**”).

Please find attached scanned copy of Legal Notice dated June 28, 2023 for and on behalf of our Client (contents of which are self-explanatory) as and by way of service upon you.

If you require any further information or clarification, please do not hesitate to contact us.

Warm regards,



D-226, Neelkanth Business Park, Near Neelkanth Kingdom, Vidyavihar Station Road, Vidyavihar (West), Mumbai - 400 086.

Tel: +91 22 2515 9001-02 | Office Mob: +91-8928059557

Email: contact@eternitylegal.com | Website: www.eternitylegal.com

Please consider the environment before printing this email.

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By Courier / Email

Ref: EL/DS/S-089/565/2023

Date: June 28, 2023

To,

Maharashtra State Electricity Distribution Company Limited

O&M Nashik Rural Circle

1st Floor, Vidyut bhavan, Nashik Road,

Nashik - 422101.

Kind Attn: Superintending Engineer

Email: senskurban2019@gmail.com

Dear Sirs,

Sub.: Legal Notice for not issuing permission to commission to Shreehari Associates Private Limited for their 1.45 MW Mukane Hydro Power Project located at Mukane Village, Taluka - Igatpuri, District- Nashik on the ad-hoc tariff of Rs. 3.85/- kWh.

Ref.: 1. Before the Hon'ble Maharashtra Electricity Regulatory Commission
Interim Application No. 27 of 2023

In

Case No. 57 of 2023

Shreehari Associates Private Limited

...Petitioner

Versus

Maharashtra State Electricity Distribution Company Limited and Others ...Respondents

2. Letter dated May 10, 2023 bearing reference No. SAPL/BOT/HYDRO/MUKANE/2023-5-01 sent by Shreehari Associates Private Limited to Maharashtra State Electricity Distribution Company Limited;
3. Emails dated May 20, 2023 and May 25, 2023 sent by Shreehari Associates Private Limited to Maharashtra State Electricity Distribution Company Limited;
4. Email dated May 25, 2023 sent by Maharashtra State Electricity Distribution Company Limited to Shreehari Associates Private Limited;
5. Email dated June 5, 2023 sent by Shreehari Associates Private Limited to Maharashtra State Electricity Distribution Company Limited;
6. Email dated June 7, 2023 sent by Maharashtra State Electricity Distribution Company Limited to Shreehari Associates Private Limited;
7. Emails dated June 9, 2023, June 14, 2023 and June 17, 2023 sent by Shreehari Associates Private Limited to Maharashtra State Electricity Distribution Company Limited;

8. Legal Notice dated June 20, 2023 bearing reference No. EL/DS/S-089/563/2023 sent to Maharashtra State Electricity Distribution Company Limited;
9. Letter dated June 23, 2023 bearing reference No. CE/RE/SHP/PTC/No. 19020 sent by Chief Engineer (Renewable Energy), Maharashtra State Electricity Distribution Company Limited to Superintending Engineer, O&M Nashik Circle, Maharashtra State Electricity Distribution Company Limited;
10. Letter dated June 26, 2023 bearing reference No. SAPL/MUKANE HEP/260623 sent by Shreehari Associates Private Limited to Superintending Engineer, O&M Nashik Circle, Maharashtra State Electricity Distribution Company Limited; and
11. Email dated June 27, 2023 sent by Shreehari Associates Private Limited to Superintending Engineer, O&M Nashik Circle, Maharashtra State Electricity Distribution Company Limited.

We are concerned for our Client viz.; Shreehari Associates Private Limited (“SAPL”), a private company registered under the Companies Act, 1956 bearing Corporate Identity Number: U17100MH2001PTC200611 and having their registered address at Saisharan, Gut No. 41, Paithan Road, Golwadi, Aurangabad - 431005, Maharashtra, India and also having office address at Plot No. 36, Gut No. 41, Golwadi, Paithan - Waluj Link Road, Aurangabad - 431005, Maharashtra, India. Under the instructions of our Client, we wish to state as follows:

1. Pursuant to the hearing held on May 8, 2023 before the Hon’ble Maharashtra Electricity Regulatory Commission (“MERC”), the Counsel appearing on behalf of Maharashtra State Electricity Distribution Company Limited (“MSEDCL”) submitted that MSEDCL agrees to procure power at the rate of Rs. 3.85/- (Rupees Three and Eighty Five Paise Only) per kWh unit as an interim arrangement till the final disposal of the matter. Consequently, Hon’ble MERC vide daily order dated May 8, 2023 recorded the interim arrangement for procuring power by MSEDCL at an ad-hoc tariff of Rs. 3.85/- (Rupees Three and Eighty Five Paise Only) per kWh unit till the final disposal of the main matter and directed MSEDCL to issue permission to commission (“PTC”) to SAPL. The relevant portion of the Daily Order dated May 8, 2023 passed by the Hon’ble State Commission in Case No. 57 of 2023 is reproduced below for your ready reference:

“3. After taking instructions, Advocate appearing for MSEDCL stated that MSEDCL agrees to procure power at the rate of Rs.3.85 per unit as an interim arrangement till final disposal of the matter.

4. Considering submissions made, the Commission allows interim arrangement of procuring power by MSEDCL at ad-hoc tariff of Rs. 3.85 per unit till final disposal of the main matter and accordingly directs MSEDCL to issue PTC. Accordingly, the Commission disposes of IA No. 27 of 2023.”



2. Our Client vide its letter dated May 10, 2023 bearing reference No. SAPL/BOT/HYDRO/MUKANE/2023-5-01 requested MSEDCL to issue PTC to SAPL for their 1.45 MW Mukane Hydro Power Project located at Mukane village, Taluka - Igatpuri, District – Nashik (“**Mukane Hydro Power Project**”) on the ad-hoc tariff of Rs. 3.85/- (Rupees Three and Eighty Five Paise Only) per kWh unit urgently, as the water rotation at Mukane was to commence from May 10, 2023.
3. Our Client vide its various emails dated May 20, 2023 and May 25, 2023 requested you to issue PTC to SAPL as the water rotation at Mukane had already commenced on May 10, 2023 and that due to the non-issuance of PTC precious renewable energy was being wasted which could have been generated by way of the hydro project as it is a source of renewable power in order to reduce reliability upon conventional and non-renewable sources of electricity.
4. MSEDCL vide its email dated May 25, 2023 requested SAPL to submit the valid Electrical Inspection charging permission mentioning the list of equipment and its ratings. Therefore, our Client immediately approached Chief Electrical Inspector to certify the same.
5. Our Client vide its email dated June 5, 2023 to MSEDCL submitted the inspection report issued by the Electrical Inspector vide its letter dated June 5, 2023 bearing reference No. EIN/TECH/2022-23/758. The inspection report has categorically stated that the inspection of SAPL’s Mukane Hydro Electric Project has been done and the general condition of the Mukane Hydro Electric Project is in order as per the relevant provisions of the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010. The relevant portion of the letter dated June 5, 2023 is reproduced below for your ready reference:

“Whereas the inspection of your electrical installation was done by the undersigned on 29.05.2023 and the general condition of the electrical apparatus are found to be in order as per the relevant provisions of the CEA (Measures relating to Safety and Electric Supply) Regulation, 2010 (as amended till date).”
6. However, to our Client’s utter shock MSEDCL vide its email dated June 7, 2023 again requested our Client to submit the Electrical Inspector’s charging permission along with the list of equipment and its ratings.
7. Our Client vide its email dated June 9, 2023 with reference to the MSEDCL’s email dated June 7, 2023 as well as to the discussions held in the meeting dated June 8, 2023 at Prakashgad, Mumbai in the presence of Mrs. Kavita Gharat, Chief Engineer (Renewable), and Mr. Amit Bute, Executive Engineer (Renewable) once again requested MSEDCL to immediately issue PTC for their Mukane Hydro Power Project and purchase hydro power generated on the ad-hoc tariff of Rs. 3.85/- (Rupees Three and Eighty Five Paise Only) per kWh unit, as day by day the availability of water head is reducing at the Mukane Dam. We regretfully wish to state that despite unambiguous direction



and the Hon'ble MERC our Client is unable to generated any revenue from the Mukane Hydro Power Project. It may also be appreciated that our Client has invested huge funds for developing the Mukane Hydro Power Project and in absence of PTC our Client is unable to generate green energy which is loss of natural resource.

8. Our Client vide its email dated June 14, 2023 again sent a remainder to you and called upon MSEDCL to issue PTC for their Mukane Hydro Power Project.
9. Our Client vide its email dated June 17, 2023 again requested you to issue PTC on an urgent basis as the final water rotation for the season has started for the Mukane Dam and more than twenty three (23) days have elapsed since the first water rotation was completed. Due to non-grant of PTC, our Client has suffered a loss for which MSEDCL shall be liable for a period from May 11, 2023 to June 2, 2023.
10. We on behalf of our Client had sent MSEDCL a Legal Notice dated June 20, 2023 bearing reference No. EL/DS/S-089/563/2023 for issuing PTC and to procure power when generated at an ad-hoc rate of Rs. 3.85 (Rupees Three and Eighty Five Paise Only) per kWh unit till final determination of tariff.
11. MSEDCL vide its letter dated June 23, 2023 bearing reference No. CE/RE/SHP/PTC/No. 19020 sent by Chief Engineer (Renewable Energy), MSEDCL to Superintending Engineer, O&M Nashik Circle, MSEDCL wherein a copy was also marked to our Client stating that in pursuance of the daily order dated May 8, 2023 passed by the Hon'ble MERC in Case No. 57 of 2023 the competent authority of MSEDCL had accorded its approval for issuing PTC to our Client subject to certain terms and conditions.
12. Our Client vide its letter dated June 26, 2023 bearing reference No. SAPL/MUKANE HEP/260623 requested Superintending Engineer, O&M Nashik Circle, MSEDCL to grant permission for commissioning of the Mukane Hydro Power Project as the PTC was only valid for thirty (30) days from the date of MSEDCL's letter dated June 23, 2023. Moreover, you are well aware that the Mukane Hydro Power Project is ready for commissioning and that our Client is planning to commission the Mukane Hydro Power Project from June 26, 2023 to June 28, 2023 as the water rotation of the Mukane Dam will be stopped from June 29, 2023. Therefore, our Client requested you to depute your office representative on the project site during the said period as it is a pre-requisite condition for completing the commissioning process.
13. Our Client vide its email dated June 27, 2023 again requested Superintending Engineer, O&M Nashik Circle, MSEDCL to issue permission on urgent basis for commissioning the project before June 29, 2023 as the water rotation of the Mukane Dam will be stopped on June 29, 2023 and also requested MSEDCL to depute its office representative on the project site by pre-intimating our Client.



14. Despite complying with the requisition and unambiguous order of Hon'ble MERC dated May 8, 2023, MSEDCL has till date failed to issue PTC to SAPL. Such non-compliance is a breach of the undertaking given before the Hon'ble MERC and such non-issuance of PTC is contempt of the aforesaid Order.
15. In the aforesaid circumstances, we hereby once again call upon Superintending Engineer, O&M Nashik Circle, MSEDCL **to forth with issue PTC and to procure power when generated at an ad-hoc rate of Rs. 3.85 (Rupees Three and Eighty Five Paise Only) per kWh unit till final determination of tariff**, failing which we shall be constrained to advise our Client to avail appropriate remedies available under law.

We look forward to urgently hear from you.

Thanking you,

Yours faithfully

For Eternity Legal



Authorised Signatory

Cc:

1. **Maharashtra State Electricity Distribution Company Limited**
Plot No. G - 9, Prakashgad - 5th Floor,
Station Road, Bandra (East),
Mumbai - 400051.
Kind Attn: Chief Engineer (Renewable Energy)
Email: ceremsedcl@gmail.com
2. **Maharashtra State Electricity Distribution Company Limited**
Plot No. G - 9, Prakashgad - 5th Floor,
Station Road, Bandra (East),
Mumbai - 400051.
Kind Attn: Chief Engineer (Commercial)
Email: cecomm@mahadiscom.in
3. **The Secretary,**
Maharashtra Electricity Regulatory Commission,
Centre I, 13th Floor, World Trade Centre,
Cuffe Parade, Colaba,
Mumbai - 400 005.
Email: secretary@merc.gov.in



Maharashtra State Electricity Distribution Co. Ltd.
Office of the Superintending Engineer, Nashik Circle,, 1st Floor, Vidyut Bhavan, Nashik Road
☎, (O) 0253-2457951, E-Mail: senskurban@mahadiscom.in

SE/NSKC/T/Mukane/ 2022-23/ No

3703

Dt.04.07.2023

4 JUL 2023

To,

The Executive Engineer

Nasik Rural Division/ Nashik Testing Division

MSEDCL, Nasik

Sub : - Synchronization and commissioning of Small hydro project (1.45MW) in r/o M/s Shreehari Associates Pvt. Ltd. at Mukane Village, Tal- Igatpuri, Dist.Nasik.

Ref : - 1) No. CE/RE/SHP/PTC/No.19020 Date:23.06.2023
2) PPA Executed with M/s. SAPL dated 06.05.2015.
3) MERC daily Order in Case No 57 of 2023.
4) Letter from EI EIN/Tech/2022-23/758 Dt.05.06.2023

Charging permission for (1.45 MW HEP allied equipment) from Elect.Insp.

No.515002906201901235 Dt.01.10.2019

5) CE/Comm/Grid conn/No.2639 Dt.24.01.2014.

With reference to above cited subject, as per letter mentioned in the ref.(5) Chief engineer (Commercial) had given permission for grid connectivity at 33kv Padali MSEDCL S/s for evacuation of power to M/s Shreehari Associates Pvt. Ltd. for their proposed SHP(1.45MW),Mukane Village,Tal-Igatpuri, Dist.Nasik accordingly Energy Purchase Agreement (EPA) as per ref no (2).

This office is in receipt of Permission to commission (PTC) for 1.45 MW Mukane Small Hydro project of M/s Shreehari Associates Pvt. Ltd. at Igatpuri, Dist. – Nashik vide reference no.(1). Hon. MERC vide daily order under ref. no. (3) directed MSEDCL to issue permission to commission (PTC) in respect of 1.45 MW Mukane Small Hydro project of M/s. Shreehari Associates Private Limited (SAPL) at Mukane Dam, Dist.- Nashik.

In connection with this, the joint inspection is carried out by the Superintending Engineer, Nashik circle with Executive Engineer Testing and Executive Engineer Nashik Rural division on dt.04.07.2023. It is found that existing main/Check / Additional check meter, all meters are of Elster(A1800 make) Non-DLMS protocol, Hence needs to be replaced for further billing process.

Hence it is kindly requested to arrange Synchronization and commissioning of Small hydro project (1.45MW) in r/o M/s Shreehari Associates Pvt. Ltd. at Mukane Village, Tal- Igatpuri, Dist. Nasik for power evacuation on 33Kv Bay at Padali Substation.

This commissioning is subject to completion of Executive Engineer Nashik Testing Division compliance & other conditions as below:

- 1) You are requested to observe the remaining formalities and commission and synchronize power Evacuation after testing the installation by testing division and submit MOM report immediately to this office.
- 2) The existing main/Check / Additional check meter, all meters are of Elster (A1800) make Non-DLMS protocol should be replaced within a month for further billing process.
- 3) For any un-stabilization and non evacuation of power due to any reason whatsoever, referred with sale of power, MSEDCL shall not be held responsible

Submitted for your information and needful please.

(D.H. Padalkar)

Superintending Engineer
MSEDCL, Nashik Circle, Nashik.

Copy S.W.R.S to:-

- 1) The Chief Engineer (Renewable Energy), 5th Floor, Bandra (E), "Prakashgad", MSEDCL, Mumbai
- 2) The Chief Engineer (Commercial), .MSEDCL "Prakashgad", Bandra (E), Mumbai-051
- 3) The Chief Engineer, Water Resource Dep (Elect), Hydroelectric Project, HSBC Building, 4th floor, M.G Road Fort, Mumbai-01.
- 4) The Chief Engineer (O & M), Nashik Zone, Nashik

Copy f.w.c. to :-

- 5) The Superintending Engineer (TQA), Testing & Quality Assurance, "Tejashri", Jahangir Ground, Karnik Road, MSEDCL, Kalyan-421301.
- 6) The Superintending Engineer, MSETCL, EHV O&M Circle, Nashik

Copy to :-

- 7) The Dy. Ex. Engineer, O&M Sub Division, Igatpuri
- 8) M/s Shreehari Associates Pvt. Ltd., Aurangabad.

Sub:- Synchronization & Commissioning of small hydro project (1.45 MW) in no. 17/s. Shreehari Associates Pvt Ltd. at Mukare, Tal- Igatpuli

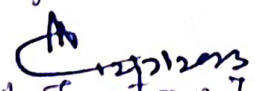
- Ref: - 1) SE/NSX/T/Mukare/2022-23/3703 dt 4/7/2023
2) Undertaking submitted by M/s. SAPL dt 6/7/2023
3) Minutes of meeting dt 06/07/2023


With reference to above subject & instructions the small hydro project (1.45 MW) in no. SAPL at Mukare Dam is synchronised & commissioned successfully on dt. 12.07.2023 @ 5:30 pm.

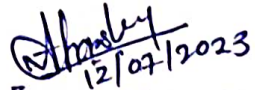
Generation recorded by Generation panel is 687.7 kW. Respective current observed at 33 kW is 11.48A, 12.59 & 13.07A for R-Y-B phases.

Following representatives are present during synchronization & commissioning. Representative of Executive Engineer, Nashik R division & Executive Engineer, Nashik Testing division witnessed the above.

Initial reading at time of synchronization is attached herewith on separate sheet.


[H.A. Jagtap]
Additional Exe. Engg.
Nashik R. Division


[A.P. Rathod]
Deputy Exe. Engg
Nashik Testing Div.


[H.V. Ahire]
Project Manager
M/s. SAPL



Ref No : SAPL /130723/ MKN HEP

Date : July, 13 2023

To,
The Superintending Engineer,
Nashik Urban Circle
Maharashtra State Electricity Distribution Company
Vidyut Bhavan, Nashik Road, Nashik.

**Subject: Commencement of 1 X 1450 KW Mukane Small Hydro Electric Project, at Mukane
Village, Tal — Igatpuri Dist — Nashik**

Reference: 1. Joint Inspection & Commissioning MOM dtd. 12 July, 2023
2. Your office letter No. : SE/NSKC/T/MUKANE/2022-23/No.3703 dtd. 04 July, 2023
3. Our office letter No. SAPL/Mukane HEP/260623 dtd. 26 June, 2023
4. CE/RE/PTC/19020 dtd. 23 June, 2023
5. MERC Order – IA No.27 of 2023 in Case No.57 of 2023 dtd. 08 May, 2023

Respected Sir,

We have installed 1 X 1450 KW Small Hydro Electric Project at Mukane Dam, Village Mukane, Tal — Igatpuri, Dist — Nashik on BOLT basis from GOM for further 30 Years.

With reference to the above subject and reference we are glad to inform you that 1 X 1450 KW Mukne SHP, at Mukne Dam has been successfully commissioned and generated energy was injected into 33 KV grid on July 12, 2023 in presence of MSEDCL officials from Nashik Rural Division and Nashik Testing Division.

On the same node, we wish to inform you that the 1 X 1450 KW Mukane SHP was successfully commissioned on July 12, 2023 and will be in service continuously as per water availability from Nashik Irrigation Division.

Moreover, we also request you to please issue "Commencement Certificate" on priority basis.

Thanking you,

For, SHREEHARI ASSOCIATES (P) LTD.



Authorized Signatory

Copy to

1. The Chief Engineer Commercial, MSEDCL, Prakashgad, Mumbai
2. The Chief Engineer RE, MSEDCL, Prakashgad, Mumbai
3. The Chief Engineer Electrical, Hydro Power Project, HSBC Building Fort, Mumabi
4. The Superintending Engineer, S E TQA, MSEDCL, Kalyan
5. The Executive Engineer, Urban Testing Division, MSEDCL, Satpur, Nasik.
6. The Executive Engineer, Nashik Rural Division, MSEDCL, Nashik



Maarashtra State Electricity Distribution Co.Ltd.
Office of the Superintending Engineer,
O&M Circle(Rural), Vidyut Bhavan, 1st floor
Nashik Road, Nashik - 422 101
Phone : (0253)2462491 - 95 Fax No.0253-2462201
email : scnskrural@mahadiscom.in

REF.NO.SE/NSK/R/Tech/VII/

Date: 3 JAN 2014

No 0060

To,
The Chief Engineer (Comm)
MSEDCL H.O.
Prakashgad, Mumbai.

Sub : Regarding Grid connectivity for evacuation of power from (1.45 MW)
Hydro Electric Project In respect of M/s Shreehari Associate Pvt. Ltd at
Mukane Village Tal. Igatpuri, Dist. Nashik.

Ref : 1) Y.O.L. No. CE/Comm/Hydro /Mukane/33096 Dt. 5/12/2013
2) T.O.L No. 6560 Dtd. 7/10/2013

In connection to above subject and letter under reference, the desire
information is as follows.

- 1) The 33/11 KV Padali S/s is charged on date 22/3/2013.
- 2) 11 KV Mukane Rural feeder load from wadivarhe s/s is shifted to Padali S/s
on date 29/8/2013
- 3) 11 KV Mukane Industrial feeder load is shifted from Wadivarhe S/s as
Mukane Industrial-I feeder and connected to Padali S/s on 7/12/2013

This is submitted for your kind information please.

(K.S.Pardeshi)
Superintending Engineer
MSEDCL, Nashik Rural Circle

Copy swrs to :

- 1) The Chief Engineer(Dist), MSEDCL, Mumbai
- 2) The Chief Engineer(NSKZ), MSEDCL, Nashik

Copy to :

- 1) The Ex.Engr. MSEDCL Rural Dn. Nashik
- 2) The A.E. Igatpuri ... This is as per telephonic discussion with JE Wadivarhe.

Vaibhav Joshi & Co.
Chartered Accountants

Head office: B/4, Anand Bhuvan society, Near Datt Mandir, Brahman Ali, Alibag 402201.
Abad Branch: B+3, C Wing, First Floor, Bharat Bazar, Besides Prozone Mall, Aurangabad 431006
Email – ca.anandchirputkar@gmail.com Phone-9028138419

TO WHOMSOEVER IT MAY CONERN

This is to certify that, M/s. Shreehari Associates Pvt.Ltd., having registered address at Plot No.36, Gut No.41, Golwadi, Paithan-Waluj Link Road, Aurangabad-431005, who is being registered Govt. Contractor, completed various projects allowed by the Government Authorities as well even private agencies/parties. Accordingly, one of the projects was allotted by the State Authority i.e. "Mukane Hydro-Electric Project of 1.45 MW" situated at Mukane Dam, Nashik

From the enclosed Statement of Accounts of above project, from 2009-10 till 2022-23 i.e. till 23.12.2022, the company has incurred expenses upon the said project to the tune Rs. 15,08,15,957.43 (Rupees Fifteen Crores Eight Lakh Fifteen Thousand Nine Hundred Fifty Seven and Forty Three Paise Only), the details of such incurred expenses are also bifurcated in the said enclosed Statement.

The Certificate is issued at the request of the party and on the basis of documents provided for our verification.

For M/s Vaibhav Joshi & Co.
Chartered Accountants
FRN-132154W



Anand Chirputkar
CA Anand Chirputkar

Partner

M.No. 164629

Date : 23/01/2023

Place : Aurangabad

UDIN: 23164629BGPSTZ6630

SHREEHARI ASSOCIATES PVT LTD
PLOT NO.36,GUT NO.41,GOLWADI
PAITHAN WALUJ LINK ROAD AURANGABAD-431005

MUKANE HYDRO ELECTRIC PROJECT 1.45 MW
TOTAL COST OF THE PROJECT TILL -23.12.2022

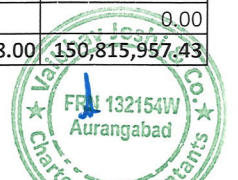
SR NO	PARTICULAR	AMOUNT
1	PRE CONSTRUCTION EXPENSES	1,173,615.00
2	UPFRONT PREMIUM	2,445,000.00
3	THRESHOLD PREMIUM	7,940,753.00
4	CIVIL WORK	49,216,070.35
5	ELECTRO MECHANICAL WORK	41,571,330.45
6	GRID CONNECTIVITY AND TRANSMISSION LINE & ELECTRICAL WORK	11,352,586.52
7	INTEREST ON LOAN AND BANK CHARATES	32,332,294.14
8	OTHER EXPENSES	4,784,307.97
	TOTAL	150,815,957.43



SHREEHARI ASSOCIATES PVT LTD
PLOT NO.36,GUT NO.41,GOLWADI
PAITHAN WALUJ LINK ROAD AURANGABAD-431005

MUKANE HYDRO ELECTRIC PROJECT 1.45 MW
TOTAL COST OF THE PROJECT TILL -23.12.2022

SR NO	PARTICULAR	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-23 UPTO 23.12.2022	GROSS TOTAL
1	PRE CONSTRUCTION EXPENSES (SITE INVESTIGATION, PROJECT REPORT ETC)	0.00	256,696.00	314,842.00	602,077.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,173,615.00
	LEGAL & PROFESSIONAL EXPENSES	0.00	256,696.00	310,000.00	334,185.00												900,881.00
	OTHER EXPENSES	0.00	0.00	4,842.00	267,892.00												272,734.00
2	UPFRONT PREMIUM	0.00	0.00	0.00	2,445,000.00					0.00							2,445,000.00
3	THRESHOLD PREMIUM	0.00	0.00	0.00	7,940,753.00					0.00							7,940,753.00
4	CIVIL WORK	0.00	0.00	124,125.00	752,528.70	21,773,587.39	14,473,482.28	3,050,912.16	2,732,858.34	585,429.50	187,360.00	741,023.95	1,194,293.12	1,380,784.63	1,382,347.28	837,338.00	49,216,070.35
	BRICKS PURCHASE	0.00	0.00	0.00	0.00	0.00	167,800.00	106,800.00	8,325.00	0.00		54,150.00					337,075.00
	BUILDING CONSTRUCTION EXPENSES	0.00	0.00	0.00	6,100.00	97,492.60	21,200.00	216,357.55	29,159.14	0.00	25,000.00						395,309.29
	BUILDING CONSTRUCTION MATERIAL	0.00	0.00	0.00	0.00	56,380.00	4,523,905.98	140,220.78	1,686,656.97	1,300.00	11,172.00						6,419,635.73
	CAMP EXPENSES	0.00	0.00	31,940.00	68,651.00	412,946.00	93,649.00	128,085.00	28,487.00	32,683.00			60,746.00	15,070.00	41,269.00	16,947.00	930,473.00
	CEMENT PURCHASE	0.00	0.00	0.00	0.00	2,718,012.96	1,119,134.00	103,232.75	83,111.00	0.00		3,984.45					4,027,475.16
	CONCRETING EXPENSES	0.00	0.00	0.00	0.00	1,132,510.00	1,366,362.00	259,749.64		0.00							2,758,621.64
	FUEL PURCHASE	0.00	0.00	0.00	388,991.70	1,265,979.98	1,705,291.50	526,244.40		59,245.00	56,921.00	83,313.00	77,418.00	30,770.00	55,541.00	45,221.00	4,294,936.58
	METAL PURCHASE	0.00	0.00	0.00	0.00	850,009.00	368,519.00		15,600.00	0.00							1,234,128.00
	MACHINERY HIRECHARGES & REPAIRS	0.00	0.00	0.00	0.00	48,632.00		4,687.00	17,746.00	15,638.50			35,213.41	653,470.00	646,119.96	216,193.00	1,637,699.87
	PITCHING & MASSONARY EXPENSES	0.00	0.00	0.00	183,970.00	1,887,109.00	1,350,055.00	488,381.00	154,814.00	9,615.00	17,427.00	18,449.00	1,725.00	900.00	117,275.00	75,270.00	4,304,990.00
	SAND PURCHASE	0.00	0.00	0.00	0.00	1,872,478.50	618,166.00	47,575.00	66,793.00	0.00			82,474.00				2,687,486.50
	SERVICES TAX	0.00	0.00	92,185.00	6,712.00	12,167.00											111,064.00
	SECURITY CHARGES	0.00	0.00	0.00	33,600.00	271,900.00	338,138.00	356,420.00	482,172.00	338,912.00	38,080.00	471,000.00	452,250.00	415,800.00	345,000.00	277,770.00	3,821,042.00
	STORES PURCHASE	0.00	0.00	0.00	49,804.00	287,524.95	295,430.40	906,129.42	23,815.54	28,325.00	21,730.00	55,117.50	465,582.71	262,174.63	177,142.32	98,962.00	2,671,738.47
	FABRICATION WORKS	0.00	0.00	0.00	0.00	351,840.00	730,293.00	284,424.62		0.00		38,400.00					1,404,957.62
	STRUCTURAL STEEL PURCHASE	0.00	0.00	0.00	0.00	2,542,693.40	59,880.00	-704,034.00	29,600.13	0.00						43,599.00	1,971,738.53
	STEEL PURCHASE	0.00	0.00	0.00	0.00	7,814,982.00	1,679,863.40	70,234.00		0.00						25,726.00	9,590,805.40
	TRANSPORTION CHARGES	0.00	0.00	0.00	14,700.00	150,930.00	35,795.00	116,405.00	106,578.56	99,711.00	17,030.00	16,610.00	18,884.00	2,600.00		37,650.00	616,893.56
																	0.00
5	ELECTRO MECHANICAL WORK	0.00	0.00	0.00	129,729.20	35,238,335.82	5,208,638.01	655,699.51	6,440.66	0.00	163,752.25	168,735.00	0.00	0.00	0.00	0.00	41,571,330.45
	MACHINERY PURCHASE	0.00	0.00	0.00	0.00	35,152,926.02	3,773,211.68	629,014.00		0.00							39,555,151.70
	MACHINERY SPARE PART PURCHASE	0.00	0.00	0.00	129,729.20	72,061.00	1,178,110.33	26,685.51	6,440.66	0.00	163,752.25	168,735.00					1,745,513.95
	OTHER EQUIPMENT PURCHASE	0.00	0.00	0.00	0.00	13,348.80	0.00			0.00							13,348.80
	TRANSPORTION CHARGES	0.00	0.00	0.00	0.00	0.00	257,316.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	257,316.00
6	GRID CONNECTIVITY AND TRANSMISSION	0.00	0.00	0.00	18,035.00	725,729.44	228,258.00	5,692,763.16	722,049.20	822,780.00	13,900.00	169,316.50	1,076,055.46	491,094.00	1,005,829.76	386,776.00	11,352,586.52
	ELECTRICAL MATERIAL PURCHASE & WOR	0.00	0.00	0.00	18,035.00	85,104.84	53,658.00	-21,362.98	8,681.20	800,280.00	13,900.00	169,316.50	591,055.46	200,094.00	855,829.76	61,776.00	2,836,367.78
	LEGAL & PROFESSIONAL EXPENSES					640,624.60	174,600.00	85,040.00	61,830.00	22,500.00	0.00	0.00	485,000.00	291,000.00	150,000.00	325,000.00	2,235,594.60
	GRID CONNECTIVITY AND TRANSMISSION LINE							5,629,086.14	651,538.00								6,280,624.14
																	0.00
8	INTEREST ON LOAN AND BANK CHARATES	0.00	0.00	0.00	766,569.00	1,882,171.00	6,755,853.00	6,331,815.00	5,202,409.00	4,191,345.82	3,360,421.00	2,162,442.50	988,161.00	516,183.82	119,404.00	55,519.00	32,332,294.14
	INTEREST ON TERM LOAN	0.00	0.00	0.00	766,569.00	1,882,171.00	6,755,853.00	6,297,023.00	5,167,192.00	4,157,517.00	3,332,790.00	2,162,354.00	988,161.00	516,008.00		55,519.00	32,081,157.00
	BANK GUARANTEE COMMISSION & CHARGES							34,792.00	35,217.00	33,828.82	27,631.00	88.50	175.82	119,404.00			251,137.14
																	0.00
9	OTHER EXPENSES	0.00	0.00	0.00	0.00	335,619.00	722,068.00	334,915.63	27,133.00	112,301.00	188,329.91	343,195.00	129,061.42	660,713.37	1,143,066.64	787,905.00	4,784,307.97
	OTHER EXPENSES					47,309.00	526,909.00	205,931.63		54,592.00	80,035.91	61,952.00	4,250.42	62,290.37	196,396.64	80,799.00	1,320,465.97
	RENT RATE & TAXES	0.00	0.00	0.00					1,763.00	1,149.00	3,949.00	37,926.00	38,703.00	33,430.00	22,000.00	6,000.00	144,920.00
	TRAVELLING AND LOCAL CONVEYANCE					282,640.00	188,959.00	123,254.00	21,370.00	56,560.00	72,250.00	54,542.00	21,613.00	10,953.00		54,163.00	886,304.00
	VEHICLE REPAIRS AND MAINTENANCE										17,625.00	11,235.00	1,390.00	2,320.00	7,360.00	313.00	40,243.00
	ELECTRICITY EXPENSES	0.00	0.00	0.00	0.00	5,670.00	6,200.00	5,730.00	4,000.00	0.00	14,470.00	177,540.00	63,105.00	551,720.00	917,310.00	646,630.00	2,392,375.00
																	0.00
	GROSS TOTAL (1+2+3+4+5+6+7+8+9)	0.00	256,696.00	438,967.00	12,654,691.90	59,955,442.65	27,388,299.29	16,066,105.46	8,690,890.20	5,711,856.32	3,913,763.16	3,584,712.95	3,387,571.00	3,048,775.82	3,650,647.68	2,067,538.00	150,815,957.43



**BEFORE THE MAHARASHTRA
ELECTRICITY REGULATORY COMMISSION,
MUMBAI**

CASE NO. 57 OF 2023

Shreehari Associates Private Limited ...Petitioner

Versus

Maharashtra State Electricity Distribution
Company Limited and Ors. ...Respondents

AFFIDAVIT ON BEHALF OF THE PETITIONER

(Dated this 4th day of September, 2023)

ETERNITY LEGAL

Advocates for the Petitioner

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