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Index

Before the Hon'ble

CHHATTISGARH STATE ELECTRICITY REGULATORY COMMISSION

PETITION NO.....

IN THE MATTER OF

"Petition for Capital Investment Plan for FY 2025-26".

PETITIONER

CHHATTISGARH STATE POWER GENERATION COMPANY LIMITED

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Petition

Petition for approval of Capital Investment Plan For FY 2025-26

BEFORE

THE HON'BLE

CHHATTISGARH STATE ELECTRICITY REGULATORY COMMISSION,

RAIPUR, CHHATTISGARH

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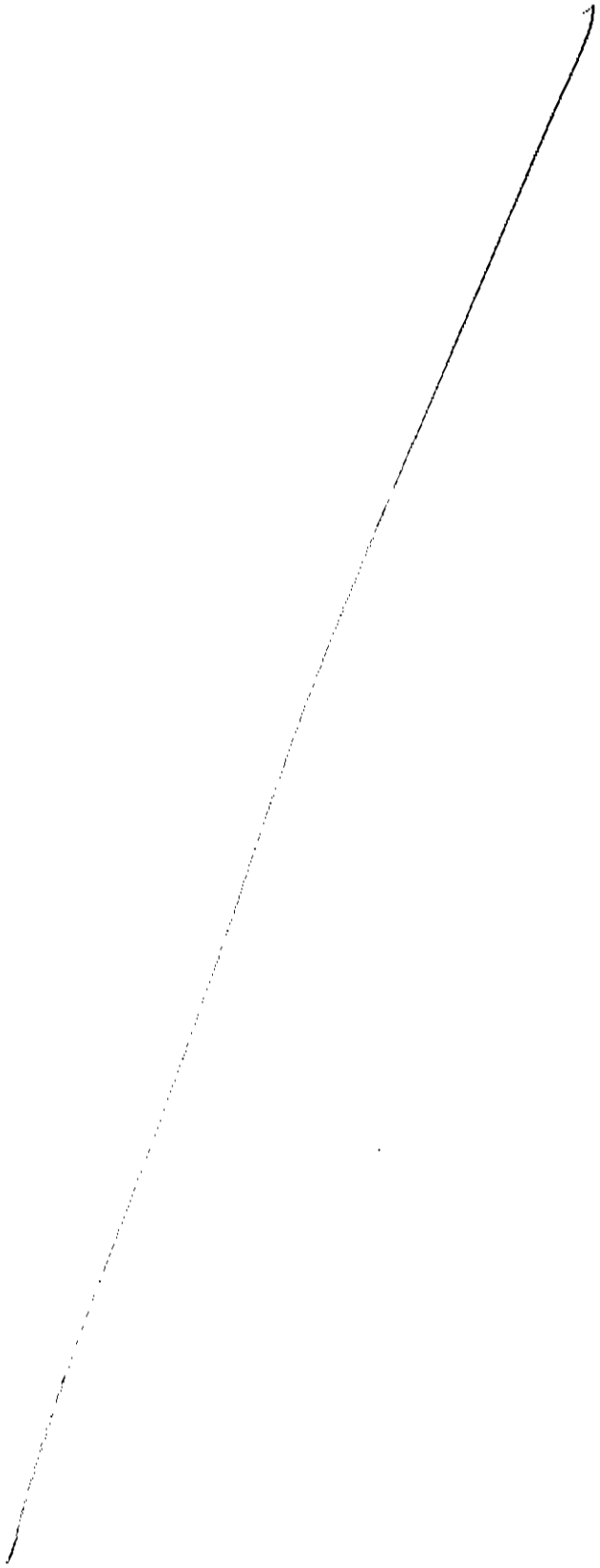
Submitted By:

CHHATTISGARH STATE POWER GENERATION COMPANY LIMITED

November, 2024



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List of Abbreviations

Acronym	Definition
Capex	Capital Expenditure
CHP	Coal Handling Plant
CIP	Capital Investment Plan
CERC	Central Electricity Regulatory Commission
COD	Commercial Date of Operation
CSERC	Chhattisgarh State Electricity Regulatory Commission
CSEB	Chhattisgarh State Electricity Board
CSPGCL	Chhattisgarh State Power Generation Company Limited
CSR	Corporate Social Responsibility
DPR	Detailed Project Report
DSPM TPS	Dr.Shyama Prasad Mukherjee Thermal Power Station
EA 2003	Electricity Act 2003
E&M	Electrical & Mechanical
ESP	Electrostatic Precipitator
FD	Forced Draft
FY	Financial Year
GoCG	Government of Chhattisgarh
GFA	Gross Fixed Assets
Genco	Generation Company
HEP	Hydro Power Plant
HTPS KW	Hasdeo Thermal Power Station Korba West
KTPS KEB	Korba Thermal Power Station Korba East Bank
kV	Kilovolt
LE	Life Extension
MoEF &CC	Ministry of Environment & Forest & Climate Change
MYT	Multi Year Tariff
MW	Megawatt
O&M	Operations and Maintenance
ODS	Ozone Depletion Substance
PLF	Plant Load Factor
PFC	Power Finance Corporation
R&M	Renovation and Modernisation
R&M Expenses	Repair & Maintenance Expenses
RoE	Return on equity
TPP	Thermal Power Plant

BEFORE THE HON'BLE CHHATTISGARH STATE ELECTRICITY REGULATORY COMMISSION

RAIPUR, CHHATTISGARH

IN THE MATTER OF:

Approval of Capital Investment Plan of Chhattisgarh State Power Generation Co. Ltd. (CSPGCL) for the FY 2025-26.

The petition is filed under Section 62 and 86 of the Electricity Act, 2003. Regarding the applicable Regulation, it is submitted that after detail deliberation on the various aspects, Hon'ble Commission vide letter no.03/CSERC/Tariff/57/102/2024/2021 Date: 24/10/2024 has issued directives to the State Power Companies. The operative part is reproduced hereunder for ready reference please: -

> *"..... the Commission is of the view that the licensees and generating companies may file the tariff petition and capital investment petition for FY 2025-26 in accordance to the provisions of the Act and broadly following the principles specified in prevailing Chhattisgarh State Electricity Regulatory Commission (Terms and Conditions for determination of tariff according to Multi-Year Tariff principles and Methodology and Procedure for determination of Expected revenue from Tariff and Charges) Regulations, 2021 by 30th November, 2024 along with the true-up petition for FY 2023-24 in accordance to the applicable Regulations and the tariff order."*

The instant petition is being filed accordingly following the principles specified in prevailing the Chhattisgarh State Electricity Regulatory Commission (Terms and Conditions for determination of tariff according to Multi-Year Tariff principles and Methodology and Procedure for determination of Expected revenue from Tariff and Charges) Regulations, 2021 hereinafter called "CSERC MYT Regulation 2021". On the issues wherein the CSERC MYT Regulation 2021 is silent or there are specific grounds for exceptions, the guidance has been taken from the provisions of the Act. For such interpretation and inference Draft Chhattisgarh State Electricity Regulatory Commission (Terms and Conditions for determination of tariff according to Multi-Year Tariff principles and Methodology and Procedure for determination of Expected revenue from Tariff and Charges) Regulations, 2024, (hereinafter referred as CSERC MYT Regulation 2024) have also been looked into. CSPGCL crave leave to refer to such exceptions, in due course of proceedings, as may be required.

In addition, the petition is also in accordance to pervious instructions / guidelines of the Hon'ble Commission.

THE APPLICANT:

Chhattisgarh State Power Generation Co. Ltd. CSPGCL: -

A Company incorporated under the provisions of the Companies Act, 1956 and having its registered office at Vidyut Sewa Bhawan, Dangania, Raipur. CSPGCL is one of the Successor Companies of erstwhile Chhattisgarh State Electricity Board.

LEGAL PROVISIONS

As submitted in the pre-para, CSPGCL files the instant petition in accordance to the provisions of the Act and broadly following the principles specified in prevailing CSERC MYT Regulations, 2021. For ready reference, relevant provisions of the current regulation have also been referred. CSPGCL prays for approval of the instant Capital Investment Plan for FY 25-26.

PRAYER

CSPGCL prays the following before the Hon'ble Commission:

1) Condone any inadvertent omissions/ errors/ shortcomings and permit to add/ change/ modify/ alter this filing and make further submissions as may be required at a future date.
2) Approve the Capital Investment Plan submitted by CSPGCL.
3) Allow recovery of petition filing fee and advertisement expenses.
4) Pass any other suitable relief which Hon'ble Commission may find deem fit.

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Dated 29.11.2024.

For
Chhattisgarh State Power Generation Co. Ltd., Raipur

INTRODUCTION

COMPANY OVERVIEW

1. The Chhattisgarh State Power Generation Company Limited became functional w.e.f. 1st January 2009 subsequent to reorganization of Chhattisgarh State Electricity Board by the Govt. of Chhattisgarh.

HISTORY

2. For the current control period (FY 2022-23 to FY 2024-25), Hon'ble Commission approved the Capital Investment Plan vide order dt 27/04/22 on Petition no 73 of 2021. Further additional Capital Investment Plan for FY 24-25 was approved by the Hon'ble Commission vide order dt 15.03.24 in Petition no 84 of 2023.

3. The instant petition is for the FY 25-26 and includes some of the carry over schemes too.

Approach to Instant Capital Investment Plan Petition

4. The instant petition is for FY 25-26 and is broadly in accordance to the principles specified CSERC MY Regulations 2021. The exceptions, as applicable have been submitted at relevant paras. For each of the plant, the schemes are listed under following categories:

   a. Spill Over Schemes - Schemes approved by the Commission in the previous order/s and which are expected to continue / completed in the ensuing year.

   b. New Schemes for the ensuing year. Such schemes also include the schemes which are expected to commence during the year but completion is expected in future years.

   c. Schemes for "in-principle" approval under Regulation 20 of the CSERC MYT Regulation 2021. Leave is carved for submission of cost and /or time estimates for such schemes, as may become available during the proceedings.

5. Apart from the above generic categorisation, in light of the typical constraints and circumstances, plant specific prayers have been made in the relevant section.

Capital Structure

6. Unless otherwise specifically mentioned, the debt equity structure has been considered 70:30 on normative basis and the cost indicated is without PV & IDC.

Plant wise Description

7. The 4 X 210 MW HTPS (Hasdeo Thermal Power Station) is the oldest serving thermal station. The last unit of the plant was commissioned in March 1986. The plant has completed its useful life of 25 years in FY 2010-11. Further, the plant has never undergone any package-based Life Extension / Renovation. CIP proposals for the plant are submitted as Annexure -1.

8. 2X250 MW DSPM TPS (Dr. Shyama Prasad Mukherjee Thermal Power Station) has installed capacity of 500 MW with 2 units of 250 MW each. The plant was commissioned in year 2008. The schemes proposed for the plant are submitted in the Annexure – II.

9. The 1 X 500 MW KWTPP (Korba West Thermal Power Plant) achieved COD on 5th September 2013. The schemes proposed for the plant are submitted in the Annexure – III.

10. The 2 X 500 MW ABVTPS (Atal Bihari Vajpai Thermal Power Station) achieved COD on 31st July 2016. The cut-off date for the plant as approved in the additional CIP order dated 15th March 2024 in the petition no 84 of 2023 is 31st March 2025. The CIP proposal for the plant is submitted in the Annexure – IV.

11. The 3 X 40 MW Minimata Hasdeo Bango Hydro Electric Plant (also known as HEP Bango) is the only conventional / Large hydro power plant in the state. The last unit of the plant was commissioned in January 1995. It provides cheapest power to the state at a tariff of less than Rs 1/- per unit. The proposals are submitted as Annexure – V.

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Capital Investment Plan for 4x210MW HTPS Korba West

12. The 4x210MW HTPS Korba West Plant is the veteran war horse in the CSPGCL stable providing cheapest power to the state. The last unit of the plant was commissioned in 1986. The TG (Turbine-Generator) of all the 4 units is of BHEL make while boilers of 2 units (Unit-I & II) are BHEL make and the other 2 units have boilers of ABL make. The plant has completed more than 35 year of continuous satisfactory service without any package base Renovation and Modernization which may lead to PI (Performance Improvement) and LE (Life Extension). Earlier due to infeasibility (space constraint) of installation of FGD the plant was scheduled for retirement by 2024-25. However, with post Covid resurgence in demand and also with the challenge of large scale RE integration, MoP has directed not to retire any thermal plant till March 2030. Accordingly, in compliance of the Government directive, the plant continues to be in operation.

13. As per the settled regulatory principle and practice adopted in the previous order/s, all capital works required for need based rolling renovation for the 4X210 MW HTPS (excluding those which may be required due to change in law or deferred works related to ash bund) are to be carried out through the "Special Allowance". Hence in the instant petition, prayer for approval of only such specific schemes is included which fall in criterion of "Work required due to Change in Law/ Compliance of law" or "Deferred work related to ash bund/ dyke", all other capital nature need based works required for life extension shall be carried out by CSPGCL through the "Special Allowance". 13

14. It is further submitted that in CSERC MYT Regulation 2021, in accordance to the provisions under section 61 (d) of the Act, Hon'ble Commission adopted the rate of special allowance as allowed by CERC in the then prevailing CERC Tariff Regulation. At that time the applicable the rate allowed by CERC in the CERC 2019, (Control period FY 2019-20 to FY 2023-24) was Rs 9.50 Lakh / MW/ Year. The same was adopted by the Hon'ble Commission.

15. At the time of filing of CIP/ MYT Petition for the Control period FY 22-23 to FY 24-25, as per the then prevailing CEA directives the plant was expected to be retired in 204-25. Accordingly, looking to the limited life of HTPS (upto 2025) CSPGCL in the MYT petition, itself prayed for Special Allowance at half of the allowable rate. However, in later part of 2023, with the directive of MoP, which qualifies as Change in law, the scenario has changed. Accordingly, CSPGCL in the petition no 84 of 2023 prayed for restoration of the Special Allowance to full

extent. In the order dt 15th March 2024, Hon'ble Commission allowed the same along-with certain scheme specific approvals (related to Change in law and deferred works related to ash dyke / bund).

16. Currently, the CERC Regulation 2024 governs the field. In these Regulations the rate of special allowance has been revised to Rs 10.75 Lakh/ MW/ year. In number of cases, it has been held by the Hon'ble APTEL as well as the Hon'ble courts that rational holds key over the numbers. Accordingly, CSPGCL prays for allowing Special Allowance @ Rs 10.75 Lakh/ MW/ year. In this regard, it may not be out of place to submit that Hon'ble Commission has also adopted the logic. Kind reference is invited to the explanatory memorandum to the draft CSERC MYT Regulation 2025 for the next control period. Para 31.5 states: -

"Regulation 21.4 has been modified in accordance with the CERC (Terms and Conditions of Tariff) Regulations, 2024. The Special Allowance has been increased to Rs. 10.75 lakh/MW/year from Rs. 9.5 lakh/MW/year, and the exception for HTPS has been deleted, as the same is no longer required……"

17. In view of the above, it is prayed that for FY 25-26 special allowance of Rs 90.30 Cr for HTPS may please be allowed @ Rs 10.75 Lakh/ MW. Further, as per CEA directives major works for HTPS, are to be undertaken from FY 25-26 to FY 27-28. Hence, as settled by the Commission in previous orders and also in the draft regulation, carryover of the previous balance allowance may be continued.

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18. It is also submitted that as per the prevailing environment provisions all thermal power plants are expected to install Cooling towers, FGD, NOx control systems etc. HTPS is about 40 years old plant. There is space constraint which makes it infeasible to install CT, FGD etc. It was for this very reason that the plant was scheduled for retirement. However, in the larger public interest, in the wake of post pandemic demand surge and large scale RE integration, the plant has been kept in operation. As MoP directive is akin to law, CSPGCL prays that being compliance of law, in case any compensation charges are to be paid by it on account of uncontrollable conditions, the same may be allowed as pass through. It may please be appreciated that if the conditions require so, then even after loading of the environment compensation, the net effective rate on the bus bar will still be cheaper than any other substitute power.

19. The three specific schemes (costing about Rs 14 Cr) and one 'in principle' scheme, all related to (related to Change in law / deferred works related to ash dyke) are submitted as Annexure -1. Hon'ble Commission is prayed to approve the same.

Capital Investment Plan for 2x250MW DSPM TPS Korba East

20. 2X250 MW DSPM TPS, commissioned in year 2008. The plant has completed more than 15 years of service and is one of the best performing plant of CSPGL.

21. Out of the total 23 schemes proposed, five (costing about Rs 22 Cr) are "spill over Schemes". Out of these, for one scheme, related to replacement of railway line being used for bringing in the Coal from SECL mines to the plant (52 kg rail to be replaced by 60 kg rail, as suggested by Indian Railways), at the time of preparation of instant petition, the cost and/ or time estimates are not known with certainty. Consequent to approval in the previous order, M/s RITES (Rail India Technical and Economic Service), a premier CPSU engaged in railway engineering & consultancy has been assigned the job of preparation of DPR. CSPGCL carve leave to submit cost and time estimates, on receipt of report from RITES. Further, as colony arrangements are under review, detail plan for CCT TV is also under review. Leave is craved for detail submission in due course of time.

22. Apart from the five spill over schemes listed in the Annexure, in the Additional CIP order dt 15th March 2024 'in principle' approval for Renovation/ strengthening of OWS system was also accorded. Though SECL has agreed to continue supply from proposed new Silo through OWS however, final clearance from Railway is still awaited. As such, except for procurement of one 1400 HP engine (which is essential), major works will be taken up upon confirmation. Leave is craved for additional submission upon confirmation. Further, need based works as required to keep the OWS healthy & operational shall be carried out under the other coal related cost.

23. Further, in the petition, 18 new schemes (costing about Rs 38 Cr) have also been proposed. Among the total 23 schemes, five schemes (two 'spill over' and three new schemes) are for "in principle" approval only.

24. Total scheme cost for all the 23 schemes (spill over plus new) is expected to be around Rs 57 Cr. During FY 25-26, the capital expenditure and capitalisation are expected to be around Rs 40 Cr and Rs 33 Cr respectively.

25. Financing of all the above proposed scheme is expected to be through normative Debt equity and the cost indicated for each of the scheme is without PV & IDC.

26. Capital schemes details for the plant are submitted in the Annexure -2.

Capital Investment Plan for 1x500 MW KWTPP, Korba West

27. 1X250 MW KWTPP was commissioned in year 2013. The plant has completed more than 10 years of service and is a steady performer.

28. Out of the total 17 schemes proposed, seven (costing about Rs 87 Cr) are "spill over Schemes". Out of these, for one scheme, related to upgradation of HMI, BHEL offer has been received. However, off late there is considerable stress on Cyber security. Accordingly, now BHEL has been asked to submit an integrated offer for HMI upgradation with Cyber security module. CSPGCL carve leave to submit the cost and time estimates, on receipt of the offer from M/s BHEL.

29. Regarding the miscellaneous balance works of project scope it is submitted that in the previous order, Hon'ble Commission, had allowed the "Cut of Date" for the project as 31st March 2024. The same has been complied and no further prayer for extension of the project cost is being made. It is also confirmed that from June 2023, the loan drawl against the two project has also come to an end.

30. At the same time, it is submitted that there are some miscellaneous works warrant completion/ defect rectification, under the risk & cost of the respective vendor. Under the risk and cost clause, any differential amount is recovered from the concerned vendor without any loading to the beneficiary. The capitalisation against these works shall appear at the lower of the BBU value and the actual cost. The BBU value of such works (as identified so far is less than 1.8 Cr i.e is less than 0.05% of approved project cost). Even at the cost of repetition, it is confirmed that after such capitalisation, the project cost shall remain within the cost considered in the capital cost order dt 22.09.2015 (P No 08/2015). As completion of such works is governed by law of contract, without any incremental implication on tariff, CSPGCL prays that as per settled practice and precedence (DSPM defect liability case) Hon'ble Commission may allow CSPGCL to get such minor works competed / defect rectified irrespective of the cut-off date.

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31. Further, in the petition, 10 new schemes (costing about Rs 78 Cr) have also been proposed. Among the total 17 schemes, two schemes (one 'spill over' and one new schemes) are for "in principle" approval only.

32. Out of all the schemes, the typical is the proposal for Renovation & Life extension of the old LDCC. Conveyor stream A&B of LDCC supply coal to the old 210 MW sets as well as 500 Mw set. The LDCC has become 40-year-old, need urgent investment. However, as coal supply to 500 MW KWTPP will continue for substantial time to come (about 20 years plus) hence need based stop gap

arrangements will not do and substantial investment is required. In comparison to the Rail transport, LDCC saves more than Rs 170 / ton. Regarding sharing of cost between HTPS and KWTPP, taking inspiration from order dt 22/09/2015 in petition no 08/2015 (para 8.5.3, page 55), it is proposed that 40% of cost shall be booked to KWTPP and 60% shall be met from Special Allowance for HTPS. The total cost of LDCC Renovation & Life extension is expected to be about Rs 110 Cr. Accordingly additional capitalisation of Rs 44 Cr is proposed to be booked to KWTPP and about Rs 66 Cr Capitalisation shall be met from accumulated special allowance for HTPS. Capex phasing proposed is FY 25-26 to FY 27-28. (30%, 40% & 30%).

33. Total scheme cost for all the 17 schemes (spill over plus new) is expected to be around Rs 164 Cr. During FY 25-26, the capital expenditure and capitalisation are expected to be around Rs 73 Cr and Rs 49 Cr respectively.

34. Financing of all the above proposed scheme is expected to be through normative Debt equity and the cost indicated for each of the scheme is without PV & IDC.

35. Capital schemes details for the plant are submitted in the Annexure -3.

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Capital Investment Plan for 2x500 MW ABVTPS

36. 2X500 MW ABVTPS was commissioned in year 2016. The plant has shown a remarkable turnaround in FY 23-24.

37. Regarding the specific schemes for the plant, it is submitted that beyond preapproved 'spill over' schemes and the balance works under the project scope there are only such proposals which are required either due to change in law or deferred work related to ash dyke/ bund.

38. Regarding the balance works, CSPGCL submits that in the previous order, Hon'ble Commission, very judiciously and prudently extended the "Cut of Date" for the 2X500 MW ABVTPS up to 31st March 2025. No further prayer for extension of the project cost is being made. It is also confirmed that from June 2023, the loan drawl against the two project has also come to an end, however at the same time it is submitted that there are some works which are still pending. In this regard, it is submitted that looking to the power crisis throughout the nation, during the year, prime focus had been on improvement of plant performance. Resultantly, during FY 23-24, on almost all the normative parameters, the plant achieved highest performance since its commissioning. This has helped a lot in keeping the cost of power for the state within check. With humility, CSPGCL takes pride for its contribution to the grater common cause. At the same time, it is very humbly submitted that as the extra ordinary conditions deserve additional efforts, they also deserve compassion and relaxation, particularly to the extent which is in no way detrimental to other stakeholder's interest. It is also respectfully submitted that off-late, there had been number of litigations and unavoidable circumstances during the two consecutive years, which hindered tendering / contracting timelines and made it difficult to get some of the works completed.

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39. The identified such works are installation of Condensate Online Tube Cleaning System (COLTCS) - about 7 Cr, installation of air dryer for conveying air compressor for AHP. – about 7.6 Cr, Works related to Stadium & high mast (2.5 Cr) and Construction of swimming pool in the colony etc. about 1 Cr. The total value of such works is less than 0.2% of the approved project cost. However, completion of these works is crucial for long term interest of all the stakeholders. It is submitted that these capital nature works shall be carried out in such manner so as the total project cost to be charged to tariff does not exceed the approved capital cost i.e the total cost for the project scope will remain same as if these works would have been completed within the 'cut-off date". Thus on aggregate

basis, no cost escalation is being pleaded in the project cost. In view of the above Hon'ble Commission is humbly prayed for approval of the completion of such miscellaneous balance works during FY 25-26."

40. In addition to above, as submitted in case of KWTPP, it is submitted that like any large project, there are some miscellaneous works which warrant replacement/ completion/ defect rectification, under the risk & cost of the respective vendor, without any loading to the beneficiary. The face value of such works (six number, as identified so far is about Rs 3.5 Cr i.e. less than 0.05% of approved project cost). On the grounds prayed for KWTPP, Hon'ble Commission is prayed to allow CSPGCL to for completion / defect rectification, irrespective of the cut-off date.

41. Out of the total 21 schemes proposed, six are "spill over Schemes". Out of these six, three are for continuation of 'in-principle' approval. As submitted for KWTPP, HMI upgradation is now proposed to be combined with Cyber security module. For flexible operation, an expert study is in the offing and leave is craved for submission of detail proposals based on the same. For construction of ash loading facility, already consultancy has been awarded and leave is craved for submission of detail in due course of time.

42. Further, in the petition, 15 new schemes (costing about Rs 46 Cr) have also been proposed. It is important to submit that all of these schemes are either due to Change in law or they are deferred works related to ash dyke/ bund. None of the proposed new work is for in- principle approval.

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43. Total scheme cost for all the 21 schemes (spill over plus new) is expected to be around Rs 71 Cr. During FY 25-26, the capital expenditure and capitalisation, both are expected to be around Rs 64 Cr.

44. Financing of all the above proposed scheme is expected to be through normative Debt equity and the cost indicated for each of the scheme is without PV & IDC.

45. Capital schemes details for the plant are submitted in the Annexure -4.

Capital Investment Plan for 3x40 MW HEP Bango

46. The sole large hydro power plant about 30-year-old. It provides cheapest power to the grid at the tariff of less than Rs 1 per unit.

47. For this plant only seven schemes have been included in the instant petition, out of which one is 'spill over' scheme and the balance six are new schemes.

48. Out of the six new schemes, two are for 'in-principle' approval. One is for refurbishment of old runner of main turbine. As approved, in the earlier order, based on the recommendation of the OEM i.e M/s BHEL, one additional runner has been procured and depending upon the condition of the pre-installed runner, during upcoming AOH of unit 2, the same may be replaced. As next year overhauling of unit no 3 is expected, whose runner is already in depleted condition, it will be incumbent upon CSPGCL to send the taken out old runner for refurbishment at BHEL works. As the cost and time required for such refurbishment will depend upon the condition of the taken out runner, there is genuine difficulty in submission of cost and time estimate at this point. As such 'in-principle' approval is humbly pleaded.

49. Regarding the other scheme submitted for in-principle approval, it is submitted that existing HMI has become obsolete and its upgradation of such old systems has been recommended by CEA too. CSPGCL is continuously pursuing M/s BHEL for assessment & offer for the work however at the time of preparation of the instant petition, the same is awaited. Hence the prayer is for 'in-principle' approval only.

50. For the total cost for all the 7 schemes (spill over plus new) is expected to be around Rs 13 Cr. During FY 25-26, the capital expenditure and capitalisation both are expected to be around Rs 10 Cr only.

51. Financing of all the above proposed scheme is expected to be through normative Debt equity and the cost indicated for each of the scheme is without PV & IDC.

52. Capital schemes details for the plant are submitted in the Annexure -5.

Installation of Emission Control Systems at CSPGCL Thermal Stations

53. While matter related to installation of new emission control systems at HTPS has been dealt in the previous chapter, CSPGCL respectfully submits that for rest of it's Thermal Stations Hon'ble Commission in the order dated 31.07.2021 held: -

> *"10. Based on the scrutiny of the petition, additional submission made by the petitioner and information gathered during TVS, Commission agrees that the proposed works are necessary to comply with the revised environmental norms. ..... Commission, therefore grants in principle approval for installation of FGD & DeNOx systems at DSPM TPS, KWTPP & ABVTPS plants and leave is granted for submission of separate petition under the applicable regulation with the firmed up cost derived on the basis of transparent bidding process. Till then, no tariff consideration on account of these schemes would be made."*

54. Thereafter, as submitted during the course of additional CIP petition no 84 of 2023, the contract for FGD installation at ABVTPS and KWTPP has been awarded. However, for DSPM TPS the cost discovered through open transparent bidding was on very high side, hence retendering has been resorted. It was also submitted that with relaxation in DeNOx norms (on directions of Hon'ble Supreme Court), CSPGCL plants may not be required to undertake Capex for such systems.

55. The details submitted in the petition no 84 of 2023 including but not limited to time span, cost, exceptions (PV, IDC, IEDC, time extensions, contingencies etc), applicability and pass through of compensation charges etc have not gone any material changes so far. Therefore, in the interest of brevity and to avoid repetition of previous lengthy submissions, leave is humbly craved to refer back to those submissions, as and when the need arises. At this juncture, it is pertinent to submit that installation of FGD is squarely covered under regulation in 19.2 (iii) "Change in Law or Compliance of Law". However, as the COD of the FGD shall be beyond the instant control period, tariff determination under the current regulations is not applicable. Further, looking to the that the COD is expected in the next control period for which Regulation is yet to be notified, leave is craved for submission of detail cost breakup at the time of tariff determination.

56. **CSPGCL humbly prays that for all the Emission Control systems (FGD/ De-Nox etc) for all the plants, approvals granted in the previous orders may please be retained with leave for filing of detail petition as per applicable Regulation for the next control period.**

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Revision in Capital Investment Plan for GP III Integrated mine

57. After enactment of the Coal Mine (Special Provisions) Act, 2015, the GP-III coal block was classified under Schedule I of the said Act. In terms of the provisions of Section 5 of the said Act, the GP-III coal block was allocated to CSPGCL for utilization of coal in end-use plant of ABVTPP. The matter of Capital cost of GP III mine was dealt in detail in the MYT order dated 13.04.2022 (petition no 01/2022). Capital cost allowed was 905.85 Cr (Order page no 229).

58. Subsequently, the capital cost and the capitalisation as on COD was revisited by the Hon'ble Commission in the order dated 28.03.23 in the true up petition no 102/2022. It was submitted that at a later stage a number of PAPs and PAFs have opted for one-time settlement of compensation. Further the Collector Raigarh district has suggested that as villagers of Bajarmuda and Dholnara are not willing to get displaced to R&R village of Bhalumar hence for amicable settlement onetime payment has to be resorted, for which CSPGCL and MDO agreed to pay costs in the 50:50 ratio. The district authorities have been requested by CSPGCL to certify the number of PAFs and PAPs. Hon'ble Commission allowed the additional cost with a view that as per Regulation 56.1(e) above, expenditure for procurement and development of land (including but not limited to expenditure incurred on R&R of land oustees) is allowable as Additional Capital Expenditure. Similarly, other issues like construction of approach road etc were also considered and approved by the Commission. Thereafter, in the Tariff order 24-25, the issue was again revisited in the course of True up for FY 22-23.

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59. In the above context, CSPGCL submits that the project cost has undergone further changes. The major variations are :

a. In the MYT order, the land acquisition cost of R&R of Project Affected Families (PAF) of village Bhalumar was considered as Rs 12.64 Cr (Table 8-4, SN 16). The same appears in the Tariff Order 24-25 (true up for FY 22-23) (Table 3-3, SN 22). It is submitted that the issue of payment of one-time settlement towards R&R was before the revenue authorities. During FY 23-24, SDO (Revenue) Gharghoda issued a Demand note totalling Rs 46,52,15,000/-. It was based on payment computation @ 9,55,000/- to each General and OBC families (203 families) and @10,05,000/- to each ST & SC family (270 families). As brought out in pervious orders, such expenses are being shared by CSPGCL and MDO in 50:50 ratio. As, such on 16.08.23CSPGCL has deposited

its share of Rs 23,25,07,500/- . As settled in previous orders, being R&R cost, incurred in compliance of Revenue authorities orders, the same is pass through.

b. In the true up 21-22, the issue of one-time settlement of Project Affected Persons was dealt. As per approved R&R plan, there is a provision of employment to Project Affected Persons (PAPs) or onetime payment of Rs five lakhs or annuity of Rs 2000/- p.m. for 20 years. As brought out in the true up order for FY21-22 deposit of Rs 11.55 Cr was made and accordingly CSPGCL share of Rs 5.78 Cr was allowed for capitalisation (Table 3-5, SN 18). Till 31.03.24, 328 PAPs have opted for onetime payment and accordingly CSPGCL has deposited its 50% share of Rs 8.20 Cr against demand note raised by SDO (Revenue) Ghargoda. Thus additional capitalisation of Rs 2.42 Cr qualifies for FY 23-24 (8.20-5.78). Further, as there are total 969 PAPs, hence a provision for the balance 599 PAPs need to be considered in the project cost. It is prayed that CSPGCL additional share of share of 50% amounting to Rs 14.975 Cr may please be approved. (total under sub head to be Rs 23.175 Cr. from Rs 5.78 Cr).

c. Construction of Rest house, office building etc : Earlier an estimate of Rs 4.39 Cr was made, however with advancement of work, now it is felt that some more offices will be required. Some residential units will also be required. After taking into account the additional requirement the estimate stands revised to Rs 7.607 Cr (escalation of about 3.21 Cr).

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d. In the MYT order and in all subsequent order cost towards tree failing (reimbursed by CSPGCL to M/s GIDC) of Rs 1.20 Cr has been allowed. During FY 23-24, in compliance of a demand note, CSPGCL deposited Rs 1,08,51,282/- to DFO Raigarh tree cutting on private land of GP III block. Being intangible cost of mine development same qualifies for additional capitalisation. Further, as some more such demand notes are expected accordingly, an additional estimate of Rs 2 Cr may also please be allowed.

60. Apart from the above, in the interest of transparency and truthfulness, following revision in costs, though not presently forming part of GP III mine for computation of input price of coal, are also submitted:

a. Rerouting of Gharghoda Pelma spur line; - Earlier the cost was estimated as Rs 53.45 Cr, however off late CERL has informed that 02 no 765 KV power transmission line of PGCIL are in the alignment of second block section and have to be modified / shifted. PGCIL, has raised a demand note of Rs 31.30 Cr for the same. Further, two garland drains have been constructed in accordance

to NGT directions. For the same CERL has raised a demand note of Rs 2.12 Cr. Still further, additional cost of about Rs 5 Cr has been estimated by CERL due to increase in cost of asset (CG share). Thus total increase of about Rs 38.42 Cr is estimated for the spur line work. As all these escalations are either uncontrollable or cost due to change / compliance of law cost, Hon'ble Commission is prayed to approve the same.

b. M/s IRCON (Govt of India undertaking under the aegis of Indian Railways) has been appointed for establishment of railway siding and railway station. Presently, approval of ESP (Engineering Scale Plan) is in process with SECR. Total cost of siding is now submitted as Rs 154.62 Cr. (Rs 145.77 IRCON estimate+ 3.85 Cr for CC Road +Rs 5 Cr for diversion of PMGSY Roads). On completion of siding & spur line, the coal transportation will become more economical & reliable and in turn will be beneficial to end consumer.

c. At the same time, the cost of drilling boreholes on additional land, which was earlier estimated as Rs 25.60 Cr has now come down to Rs 8.20 Cr only.

61. It is further submitted that the capitalisation on railway line/ siding or boreholes shall be commensurate with the utilisation of such assets which in turn shall depend upon statutory / government clearances. As it would be imprudent to load capitalisation without factoring corresponding benefits, CSPGCL crave leave for submission of additional capitalisation against such expenses after the assets are put to use. Leave is craved for submissions of updates during the proceedings.

62. Capital scheme details are submitted in the Annexure -6.

Capital Investment Plan for 2x660 MW New Project

63. In the previous petition (petition no 84 of 2023) CSPGCL made a detailed submission regarding the planning for a new project consisting of two state of the art super critical units of 660 MW each at Korba West complex.

64. After going through the submissions, Hon'ble Commission granted liberty to CSPGCL to submit its detailed proposal regarding this project during the next capital investment plan petition.

65. In the above context, it is submitted that CSPGCL has already entered into Power Sale Agreement with CSPDCL (for which it is Power Purchase Agreement). CSPDCL has reportedly filed the PPA before the Hon'ble Commission for necessary formal approval.

66. Further, the bid for the project has been floated and by the time of finalisation of the instant petition, Mahanavrtna Integrated Power Plant Equipment Manufacturer CPSU M/s BHEL which is one of the largest engineering and manufacturing companies in India has participated in the bid.

67. As the plant COD shall lie in the next control period, tariff petition shall be filed in due course of time, in accordance to the then applicable regulations.

68. CSPGCL humbly prays Hon'ble Commission to accord in principle approval for the project. Leave is craved for submission of further details / updates as may be required / opportune in the matter.

Capital Investment Plan for Head Office Building at Naya Raipur.

69. It has been decided to shift the head offices of CSPDCL, CSPTCL and CSPGCL to Nay Raipur in nearby future.

70. Consequent to merger of IFFCO- Chhattisgarh power Limited with CSPGCL some land, (plot no 19, sector 24 – measuring about 6000 Sq mtr), came into the possession of CSPGCL. Therefore, for office space the state power companies jointly decided to approach NRDA for allotment of an adjacent plot, plot no 20 (measuring about 4017 Sqm.). The total estimated cost for the plot no 20 was estimated to be Rs 2.02 Cr. The State power companies also agreed to share the cost in the ratio CSPDCL 38.98%, CSPGCL – 38.68% & CSPTCL – 22.34%.

71. On application, plot no 20 was allotted by NRDA issued allotment order no 3706 dt 19.05.2023. However, later on based on the locational advantage the two plots i.e plot no 19 & 20 have been exchanged with plot no A47 – Sector 24.

72. At present the work of building planning etc is going on. M/s Mandviwala Qutub & Associates have been appointed as Technical consultant for comprehensive planning of proposed head office complex of Chhattisgarh State Power Companies head office at Nava Raipur, Atal Nagar, Raipur at 1.44% of estimated cost or the actual cost, whichever is lower. The expected duration is stated to be approximately 30 months.

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73. No capitalisation is expected during FY 25-26. The tentative cost estimate (without IDC & other charges) for the project may be in the range of 220 Cr (without PV, IDC, IEDC and all other incidental / infra charges etc.). At this stage for regulatory purpose, financing is assumed to be normative level. However, subject to competent approval, D: E ratio & intercompany share etc. may change.

74. At this stage the scheme is submitted to ensure transparent submission of an important development which may have bearing on the capital cost of the state power companies. It is prayed that Hon'ble Commission may please grant in principle approval for the project with leave for filing of separate petition by the dealing department in the matter in due course of time.

Annexure –I - CIP FOR 4X210MW HTPS

All figures in Rs Cr

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
SCHEMES APPROVED IN THE PREVIOUS ORDER AND EXPECTED TO CONTINUE IN THE ENSUING CONTROL PERIOD								
PRE-APPROVED SCHEMES								
1	**IInd stage Raising of Lagoon I A from R.L. 313.00 M to 318.00 M. at Ash Dyke Jhabu** The scheme was approved in CIP order dt 27.04.22 in petition no 73/ 2021 (P-28). As there is high stress on ash utilization, hence the height raising shall occur in deferred manner. Further the revised estimate is expected to be lower (6.45 Cr in place of Rs 7.16 Cr). A part of the work is expected to go beyond 31.03.26, however for true & fair presentation total value is included in the instant petition.	**6.45**	0.00	4.00	2.45	0.00	4.00	2.45
SUB TOTAL –PRE APPROVED SCHEME		**6.45**	**0.00**	**4.00**	**2.45**	**0.00**	**4.00**	**2.45**

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
NEW SCHEMES EXPECTED TO COMMENCE IN THE ENSUING CONTROL PERIOD								
NEW SCHEMES								
2	**Providing & installation of 02 number weigh bridge of 100 Ton capacity at ash dyke Jhabu.** 100% Ash utilization is statutory obligation. For compliance monitoring CSPGCL is required to furnish periodic data of ash transportation, for which truck weight measurement is required. Qualify under the regulation 19.2 (iii) of the CSERC MYT regulation 2021.	**0.45**	0.00	0.45	0.00	0.00	0.45	0.00
3	**Construction supply & erection of brick manufacturing unit of capacity 150000 nos/day** Chhattisgarh Environment Conservation Board (CECB) has directed for the same as a condition of consent to operate. Thus it's a statutory requirement.	**7.23**	0.00	6.00	1.23	0.00	0.00	7.23

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
	The proposal is in accordance with the Regulation 19.2 (iii) of the CSERC MYT Regulations, 2021.							
4	**Construction of CC Roads at ash dykes:** To meet statutory mandate of 100% ash utilization, construction of CC roads at many places is required, however, to weigh options to achieve the end purpose more economically a high level review is in process. Accordingly, CSPGCL, at this juncture prays for "in-principle" approval for Construction of CC with leave for submission of details shortly. The instant case qualify under the regulation Reg. 19.2 (iii) & Reg. 20 of MYT regulation 2021.	In Principle						
SUB TOTAL NEW SCHEME		**7.68**	**0.00**	**6.45**	**1.23**	**0.00**	**0.45**	**7.23**
TOTAL ALL SCHEME		**14.13**	**0.00**	**10.45**	**3.68**	**0.00**	**4.45**	**9.68**

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Annexure –II- CIP FOR DSPM TPS

All figures in Rs Cr

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
SCHEMES APPROVED IN THE PREVIOUS ORDER AND EXPECTED TO CONTINUE IN THE ENSUING CONTROL PERIOD								
PRE-APPROVED SCHEMES								
1	**Second Raw Water Line for DSPM TPS from KTPS and installation of filters & laying of drinking water lines:** The scheme was approved CIP order vide dated dt 27.04.22 in petition no 73/ 2021 (P-11). This is first of such work, hence number of difficulties encountered in execution on turnkey basis. Therefore, the work has now been split in sub parts and is currently under execution. Further, with realistic assessment of the quantum of work and also additional scope, cost is now estimated to be about Rs 13 Cr.	**12.66**	1.90	6.33	4.33	0.00	0.00	12.66

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Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
2	**Installation of CCTV Surveillance system:** The scheme was approved CIP order vide dated dt 27.04.22 in petition no 73/ 2021 (P-14). Open competitive bidding was done but due to lack of response, retendering resorted. Expected competition FY 25-26. Further, after detail review, the estimate has been revised and is expected to come down from 4.94 Cr as approved in previous order to about 3.60 Cr.	**3.60**	0.0	3.60	0.0	0.0	3.60	0.0
3	**Sewage treatment plant**: The scheme was approved in Add CIP order dated 15.03.2024 (Page no 8). The work has two components - one relates to plant sewage networking with STP and the other is for AB type quarters. One portion has got completed and the other work is in progress, however may partially spill over to next year.	**3.0**	1.80	1.20	0.0	0.62	2.38	0.0

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
4	**Colony CC TV Network:** The scheme was approved in Add CIP order vide dated dt 15.03.2024 in petition no 84/ 2023 (P-20). The scope and extent is under review. May spill over to next control period. Leave is craved for submission of details after plan finalisation.	In Principle						
5	**Replacement of railway line:** The scheme was "In Principle" approved in Add CIP order vide dated dt 15.03.2024 in petition no 84/ 2023 (P-08). Post, approval, CSPGCL has appointed M/s RITES, a well-recognized agency under the aegis of Indian railways for providing complete consultancy work (@ Rs 88.5 Lakh). DPR with cost estimate is awaited. Leave is craved for submission of details in due course. Work competition expected in FY 25-26.	In Principle						
SUB TOTAL –PRE APPROVED SCHEME		**19.26**	**3.70**	**11.13**	**4.43**	**0.62**	**5.98**	**12.66**

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
NEW SCHEMES EXPECTED TO COMMENCE IN THE ENSUING CONTROL PERIOD								
NEW SCHEMES								
6	**Condenser on Load Tube Cleaning System (COLTCS) for both units.** It is helpful in preventing scale deposition in the condenser tube which will help in keeping the condenser vacuum with in limit continuously. The proposal is in accordance with the Regulation 19.2(v) of CSERC MYT Regulation.	**7.00**	0.00	3.50	3.50	0.00	3.50	3.50
7	**Supply, Installation & Commissioning of Numerical Protection Relays in 0.6 & 0.4Kv Auxiliaries:** Old generation static type relays for protection of Incomer, Tie, Bus coupler, transformers, feeders & motors in all the 6.6 KV switchgears installed since commissioning, have become obsolete and hence require urgent replacement	**1.60**	0.00	1.60	0.00	0.00	1.60	0.00

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
	with new generation numerical microprocessor based relays. In view of the above, Commission is prayed to approve the procurement under Regulation 19.3(c) of CSERC MYT Regulations, 2021.							
8	**Procurement of 1400 HP new Diesel engine:** As per OEM guideline, factory resetting / overhauling of the engine is required after 5000 hrs running. Hence one spare engine is required otherwise the OWS may become non- operational. In view of the above, Commission is prayed to approve the procurement under Regulation 19.2(x) of CSERC MYT Regulations, 2021.	**1.67**	0.00	1.67	0.00	0.00	1.67	0.00
9	**Up-Gradation of PLC System installed at Ash Handling Plant:** PLC of Ash Handling Plant has been phased out (running with Windows 8).	**0.33**	0.00	0.33	0.00	0.00	0.33	0.00

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
	Therefore, Up-gradation is proposed to provide Cyber Security . The proposal is in accordance with the Regulation 19.2 (vii), 19.3 (c), (d) of the CSERC MYT Reg. 2021.							
10	**"Supply, Installation and commissioning of 30 MTR HIGH MAST along with PCC Poles & AB Cables" for ASH Dyke located at Godhi Ash Dam:** The Guidelines on Design Construction & O&M and annual certification of Ash Ponds by CPCB & CEA require that every ash dyke shall have High Mast for proper safety & inspection. Further 100% ash utilisation is now a statutory mandate, that requires ash loading from dyke in night also. As such flood light is an unavoidable enabling requirement for compliance of law. the instant case qualifies under the Regulation Reg. 19.2 (iii).	**1.16**	0.00	1.16	0.00	0.00	1.16	0.00

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
11	**Up-Gradation of PLC System installed at DM Plant of 2x250 MW, DSPMTPS, Korba (East):** Required for Cyber Security & safety hence, Commission is prayed to approve the instant case under Regulation 19.2 (vii), 19.3 (c), (d) & 7.6 of CSERC MYT Regulations, 2021.	**0.68**	0.68	0.00	0.00	0.68	0.00	0.00
12	**Supply, Installation and commissioning of VFD drive for CEP-650 KW motor:** There are 02 nos. CEP installed in each Unit. Installation of IGBT based VFD system in CEP motor increase motor-pump life. It has been recommended in the Energy Audit report too. For trial, 1 no. VFD drive installed in CEP motor-A of Unit#1 and is running successfully. Now 3 nos. more drives need to be installed in other three CEP. Further VFD installation is also required to meet the requirement	**3.84**	0.00	1.28	2.56	0.00	1.28	2.56

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
	of flexi operation which is a statutory mandate. In view of the above, Commission is prayed to approve the procurement under Regulation 19.2(iii) of CSERC MYT Regulations.							
13	**Voltas A.C. System:** A) Upgradation of compressor of A.C. System from reciprocating type to screw type. (B) presentation of uses of R 22 gas due to environment issue In view of the above, Commission is prayed to approve the procurement under Regulation 19.2(iii) of CSERC MYT Regulations.	**4.32**	0.00	4.32	0.00	0.00	2.16	2.16
14	**Revamping, Upgradation, rectification and augmentation of Existing Fire Alarm, smoke & heat detection system at CHP, HFO/HSD Pump house, Administrative Building & Fire Station:** Required for Plant safety	**2.47**	0.00	2.47	0.00	0.00	2.47	0.00

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
	The proposal is submitted under Regulation 19.2 (vii) of the CSERC MYT Regulation 2021.							
15	**Installation of fly ash brick manufacturing plant inside premises of DSPM TPS KE of specified capacity 1,30,000 No's/day:** Chhattisgarh Environment Conservation Board (CECB) has directed for the same as a condition of consent to operate. Thus it's a statutory requirement. The proposal is in accordance with the Regulation 19.2(iii) of the CSERC MYT Regulations, 2021.	**4.86**	0.00	4.86	0.00	0.00	4.86	0.00
16	**4th stage raising of Lagoon no. II from RL 319m to 322m of ash dyke at vill.- Gorhi/Pandripani of DSPM-TPS KE:** Deferred work related to ash dyke / ash bund. The proposal is in accordance with	**3.15**	0.00	3.15	0.00	0.00	3.15	0.00

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
	the Regulation 19.2(v) of the CSERC MYT Regulations, 2021.							
17	**Construction of 02 No's Weighbridge of 100 Ton capacity each at Gorhi/Pandripani ash dyke of 2x250 MW DSPM-TPS Korba East:** 100% fly ash utilisation is statutory mandate. For compliance, periodic report is submitted to the authorities. At present quantum of ash is estimated from volume as per empirical formula As per guideline for proper measurement of ash utilisation weigh bridge is required. Hence the proposal. The proposal is in accordance with the Regulation 19.2(iii) of the CSERC MYT Regulations, 2021.	**0.45**	0.00	0.45	0.00	0.00	0.45	0.00

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
18	**Construction of RCC peripheral drains & chute drains in buttressing, Phase-I & Phase-II of Podimar ash dyke:** Required for ash dyke safety and stability The proposal is in accordance with the Regulation 19.2(v) of the CSERC MYT Regulations, 2021.	**2.23**						
	A. Construction of RCC peripheral drains		0.00	0.60	0.63	0.00	0.60	0.63
	B. Construction of RCC chute drains		0.00	0.40	0.60	0.00	0.40	0.60
19	**Construction of RCC drain at JPS side, tower line side, pandripani side at Ash Dyke of village Gorhi / Pandripani;** Required for ash dyke safety and stability The proposal is in accordance with the Regulation 19.2(v) of the CSERC MYT Regulations, 2021.	**3.74**	0.00	2.50	1.24	0.00	2.50	1.24
20	**Construction of occupational health centre:** Required as per Factory Act.The proposal is in accordance with the Regulation 19.2(iii) of the CSERC MYT Regulations, 2021.	**0.65**	0.00	0.65	0.00	0.00	0.65	0.00

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
21	**Strengthening of embankment of Lagoon No.-1 & 2 of Gorhi/ Pandripani ash dyke;**For ash dyke safety and stability. Expert opinion has been sought and work shall be undertaken accordingly. Leave is craved for submission of details after report is received The proposal is in accordance with the Regulation 19.2 (v), (vii) and Reg. 20 of the CSERC MYT Regulations, 2021.	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00
22	**Construction of various sheds, stores restroom cum washroom for contract workers etc.: Required to meet exigencies:** As FGD drawing design is yet to be finalised, various proposals are on hold due to space constraints. Alternates are also being explored. Leave is craved to submit the details during the course of proceedings.	In Principle						

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
	The proposal is in accordance with the Regulation 19.2 (x) with Reg. 20 of the CSERC MYT Regulations, 2021.							
23	**Construction of CC Roads at ash dykes:** To meet statutory mandate of 100% ash utilisation, construction of CC roads at many places is required, however, to weigh options to achieve the end purpose more economically a high level review is in process. Accordingly, CSPGCL, at this juncture prays for "in-principle" approval for Construction of CC with leave for submission of details shortly. The proposal is in accordance with the Regulation 19.2 (iii) & Reg. 20 of the CSERC MYT Regulations, 2021	In Principle						
SUB TOTAL NEW SCHEME		38.15	0.68	28.94	8.53	0.68	26.78	10.69
TOTAL ALL SCHEME		57.41	4.38	40.07	12.96	1.30	32.76	23.35

Annexure –III- CIP FOR 1X500 MW KWTPP

All figures in Rs Cr

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
SCHEMES APPROVED IN THE PREVIOUS ORDER AND EXPECTED TO CONTINUE IN THE ENSUING CONTROL PERIOD								
PRE-APPROVED SCHEMES								
1	**2 No ICT 220/400 KV & Conductor for Bus** The scheme was approved in Add CIP order vide dated 15.03.2024 in petition no 84/ 2023 (P-12). One ICT installed, Moose Conductor replacement now be carried over by Special allowance and for the other ICT order has been placed, Installation & Commissioning may spill over to next Year.	**22.50**	10.30	12.20	0.00	10.30	12.20	0.00
2	**Installation of fly ash brick / block manufacturing unit** The scheme was approved in Add CIP order vide dated 15.03.2024 in petition no 84/ 2023 (P-12).	**4.87**	0.00	4.87	0.00	0.00	4.87	0.00

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
	Tender done, had to be dropped due to lack of qualified bidders. Second tendering is in process, hence the delay. During detail engineering additional works related to Boundary wall around the proposed plant, Drainage network and CC road to the plant costing about 1.16 Cr also added. Accordingly cost revised.							
3	**Laying of 300mm dia. main drinking water pipeline from W.T. plant to OHT at colony and grid renovation of water supply system of colony** The scheme was approved in CIP order vide dated dt 27.04.2024 in petition no 73/ 2021 (P-2). Supply completed, laying work under progress expected to be completed by 31st March 25 however grid renovation may spill over to FY 25-26.	**4.35**	3.35	1.00	0.00	3.35	1.00	0.00

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
4	**The Colony CC TV network** In the Addl. CIP order dt 15th March 2024, in principle approval of Rs 2 CR granted. Tendering is in process. Work is expected to be completed in FY 25-26.	**2.00**	0.00	2.00	0.00	0.00	2.00	0.00
5	**New Generator Rotor** In the Addl. CIP order dt 15th March 2024, in principle approval granted. Prayer is for continuation of the same.	**50.00**	0.00	5.00	45.00	0.00	0.00	50.00
6	**HMI Upgradation**: In the CIP order vide dated dt 15.03.2024 in petition no 84/ 2023 (P-20) in principle approval of Rs 10 Cr/unit granted. Offer obtained from BHEL. However, after emergence of need for cybersecurity software further discussions with BHEL are on for composite offer. Continuation of 'in-principle' approval is requested. However, with inclusion of Cyber security module the cost is expected to be go up. CSPGCL crave leave to submit update during proceedings.	In Principle						

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
7	**Select few balance works under project scope –** such as Installation of MCC/ MLDB/SCDB MCB etc. at Admin building, Installation of Elevator at Admin building, Installation of Elevator at new crusher house and other such miscellaneous nature works totalling about less than Rs. 3 Cr. Only. The project scope has almost achieved competition. The net GFA capitalized up to 31.03.24 is lower than the approved cost of Rs. 3719 Cr. CSPGCL prays for allowing completion of the select few works (by 31.03.26) under the CIP considering them as indispensable differed work under original scope. In view of the above, Commission is prayed to approve the Proposal under Regulation Reg. 19.1 (ii) & 19.2 (x) of CSERC MYT Regulations, 2021.	**1.80**	0.00	1.80	0.00	0.00	1.80	0.00
SUB TOTAL –PRE APPROVED SCHEME		**85.52**	**13.65**	**26.87**	**45.00**	**13.65**	**21.87**	**50.00**

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
NEW SCHEMES EXPECTED TO COMMENCE IN THE ENSUING CONTROL PERIOD								
NEW SCHEMES								
8	**Procurement installation & Commissioning of HPBP (BP1&2) proportional Valve system.** Due to obsolescence of servo valve technology by OEM, BP-1&2 valve need to be upgraded to proportional valve technology. May be useful in Flexi operation also. In view of the above, Commission is prayed to approve the procurement under Regulation 19.3 (b) & (c) of CSERC MYT Regulations, 2021.	**1.09**	0.00	1.09	0.00	0.00	1.09	0.00
9	**ICT 220/400 KV** All the four ICTs were commissioned about 40 years back. Three have been replaced, replacement of 4th is required for system healthiness.	**12.50**	0.00	12.50	0.00	0.00	0.00	12.50

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
	In view of the above, Commission is prayed to approve the procurement under Regulation 19.2 (x) with 19.3 (a) &(d) of CSERC MYT Regulations, 2021.							
10	**Procurement of UAT:** For higher rating machines, UAT is preferred source for auxiliary power supply because Station supply is subjected to grid jerks / disturbances. As KWTPP unit has served more than 11 years and ABVTPS units have served more than 6 years each, one UAT is proposed to be procured as common spare between the three units. As the first commissioned unit is KWTPP, hence booking is proposed to the same. Whenever any UAT will go faulty the new UAT it shall be installed in place of the defective UAT and depending upon the condition of the taken our UAT, it shall be either scrapped or shall be maintained as emergency spare.	**5.13**	0.00	5.13	0.00	0.00	5.13	0.00

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
	In view of the above, Commission is prayed to approve the procurement under Regulation 19.2(x) of CSERC MYT Regulations, 2021.							
11	**Upgradation PLC BOP area**: Due to Cyber Security threat, work got completed. Prayer for consideration under ex post facto approval under regulation 7.6 already submitted to Commission. Instant submission is for approval in accordance to Regulation 19.2 (vii), 19.3 (c), (d) & 7.6.	**1.94**	1.94	0.00	0.00	1.94	0.00	0.00
12	**CEP-VFD** At the time unit was installed norm. AEC was 6%, however current norm is 5.25% for which VFD is essential. Energy Audit has also recommended. Last but not the least, VFD is also essential to meet flexible operation requirement. In view of the above, Commission is prayed to approve the procurement in	**6.50**	0.00	6.50	0.00	0.00	0.00	6.50

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
	accordance Regulation Reg. 19.2 (iii) & (x)of CSERC MYT Regulations, 2021.							
13	**Fire Tender**: At present there are three fire tenders for the whole complex. All three are very old and have been fully depreciated as per the SN 'G" of the Appendix -1 of the CSERC MYT Regulation 2021. Procurement of two number fire tenders for replacement of the two old is proposed urgently In view of the above, Commission is prayed to approve the procurement under Regulation Reg. 19.2(vii), (x) & 19.3 (a) of CSERC MYT Regulations, 2021.	**3.20**	0.00	3.20	0.00	0.00	3.20	0.00
14	**LDCC Renovation:** The Old conveyor stream A&B of LDCC supply coal to the old 210 MW sets as well as 500 Mw set. The LDCC has become 40-year-old, need urgent	**44.00**	0.00	13.20	30.80	0.00	13.20	30.80

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
	investment. However, as Coal supply to 500 MW KWTPP will continue for substantial time to come (about 20 years plus) hence need based stop gap arrangements will not do and substantial investment is required. In comparison to the Rail transport, LDCC saves more than Rs 170 / ton. Regarding sharing of cost between HTPS and KWTPP, taking inspiration from order dt 22/09/2015 in petition no 08/2015 (para 8.5.3, page 55), it is proposed that 40% of cost shall be booked to KWTPP and 60% shall be met from Special Allowance for HTPS. Phasing proposed is FY 25-26 to FY 27-28. (30%, 40% & 30%). In view of the above, Commission is prayed to approve the proposal under Regulation 19.2(x) of CSERC MYT Regulations, 2021.							

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
15	**Providing and installation of 01 no. weigh bridge of 100 Ton capacity for ash transportation works at ash dyke Dindolbhata**: 100% fly ash utilisation is statutory mandate. For compliance, periodic report is submitted to the authorities. At present quantum of ash is estimated from volume as per empirical formula as per guideline for proper measurement of ash utilization weigh bridge is required. Hence the proposal. In view of the above, Commission is prayed to approve the proposal under Regulation 19.2(iii) of CSERC MYT Regulations, 2021.	**0.23**	0.00	0.23	0.00	0.00	0.23	0.00
16	**3rd stage height raising of Pond 1B from RL 316 M to 319 M at Dindolbhata**: Differed Work related to the ash pond The proposal is in accordance with the Regulation 19.2(v) of the CSERC MYT Reg2021.	**3.88**	0.00	3.88	0.00	0.00	3.88	0.00

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
17	**Construction of CC Roads at ash dykes**: To meet statutory mandate of 100% ash utilization, construction of CC roads at many places is required, however, to weigh options to achieve the end purpose more economically a high level review is in process. Accordingly, CSPGCL, at this juncture prays for "in-principle" approval for Construction of CC with leave for submission of details shortly The proposal is in accordance with the Regulation 20 of CSERC MYT Reg2021.	In Principle						
SUB TOTAL NEW SCHEME		78.47	1.94	45.73	30.80	1.94	26.73	49.80
TOTAL ALL SCHEME		163.99	15.59	72.60	75.80	15.59	48.60	99.80

Annexure –IV- CIP FOR 2X500MW ABVTPS

All figures in Rs Cr

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
SCHEMES APPROVED IN THE PREVIOUS ORDER AND EXPECTED TO CONTINUE IN THE ENSUING CONTROL PERIOD								
PRE-APPROVED SCHEMES								
1	**Flexible Operation:** The scheme was approved in CIP order vide dated dt 15.03.2024 in petition no 84/ 2023 (P-17). Both units are complying with 55% TML criterion. Study for additional requirements is being undertaken. Leave craved for submission of scheme details. In principle approval may please be continued.	In Principle						
2	**CCTV colony campus:** In the Addl. CIP order dt 15th March 2024, in principle approval of Rs 2 CR granted. Tendering is in process. Work is expected to be completed in FY 25-26.	**2.0**	0.0	2.0	0.0	0.0	2.0	0.0

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
3	**HMI upgradation:** In the CIP order vide dated dt 15.03.2024 in petition no 84/ 2023 (P-20) in principle approval of Rs. 10 Cr/unit granted. Offer obtained from BHEL. However, now cybersecurity software is also needed. Discussions with BHEL are on for composite offer. Continuation of 'in-principle' approval is requested. With inclusion of Cyber security module, the cost is expected to go up. Leave is carved to submit update during proceedings.	In Principle						
4	**Construction of ash loading facility at ABVTPS:** The scheme was approved in CIP order vide dated dt. 15.03.2024 in petition no 84/ 2023 (P-16) under Reg. 19.2 (iii) with Reg. 20. Consultancy work awarded. Leave craved for submission of detail pleadings on receipt of DPR. Continuation of In Principle approval is craved.	In Principle						

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
5	**works related to replacement/defect rectification etc. under risk and cost of vender as per the contract provision - totalling about less than Rs 2 Cr. Only** Such works are covered under the contractual provision and hence remain undeterred by the cut-off date, reference is invited to Hon'ble commission order in DSPM leak off line case. In view of the above, Commission is prayed to approve the Proposal under Regulation Reg. 19.1 (ii) & 19.2 (x) of CSERC MYT Regulations, 2021.	**3.50**	0.00	3.50	0.00	0.00	3.50	0.00
6	**Miscellaneous balance works (as described in petition) under project scope totalling about less than Rs. 20 Cr. Only** The project scope has almost achieved competition. The net GFA expected to be up to 31.03.25 is lower than the approved cost. CSPGCL prays for allowing completion of the select few works (by	**20.00**	0.00	20.00	0.0	0.0	20.00	0.00

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
	31.03.26) under the CIP considering them as indispensable differed work under original scope. In view of the above, Commission is prayed to approve the Proposal under Regulation Reg. 19.1 (ii) & 19.2 (x) of CSERC MYT Regulations, 2021.							
SUB TOTAL –PRE APPROVED SCHEME		**25.50**	**0.00**	**25.50**	**0.00**	**0.00**	**25.50**	**0.00**
NEW SCHEMES EXPECTED TO COMMENCE IN THE ENSUING CONTROL PERIOD								
NEW SCHEMES								
7	**Software Upgradation of SILO PLC System with work station in AHP.** The updation is required for Cyber Security. Looking to the implication for safety and security of the plant and machinery, the work has been taken up after submission of intimation to the Hon'ble Commission. In view of the above, Commission is prayed to approve the procurement under	**0.52**	0.52	0.00	0.00	0.52	0.00	0.00

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
	Regulation 19.2 (vii) read with 7.6 of CSERC MYT Regulations, 2021.							
8	**Installation of control Air, Intelligent Flow Control (IFC) & Integrated Compressor Control (ICC) system for plant air compressor house:** The Accredited Energy auditor has recommended for installation of such system to reduce generation pressure and increase saving in Air compressor system. Further, the plant was designed for 6% AEC (as prevailing the then regulation) however now the AEC norms have been made stringent, hence in order to comply norms, recommendation need to be complied with. Reg. 19.2 (iii).	**0.27**	0.00	0.27	0.00	0.00	0.27	0.00
9	**Installation of fail freeze remote mount double acting smart positioner for SADC dampers of SADC (Secondary Air Damper Control) system installed at Boiler area:** Unit#2 of ABVTPS is	**2.25**	0.00	2.25	0.00	0.00	2.25	0.00

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
	scheduled in Phase 1 of flexible operation (Change in law) followed by Unit 1. Installation of the proposed system has been recommended in the clause 6.2.1.5 of CEA recommendation - "Roadmap for Flexible Operation. In view of the above, Commission is prayed to approve the procurement under Regulation 19.2(iii) of CSERC MYT Regulations, 2021.							
10	**Upgradation of 400/220 KV Switchyard Substation Automation System (SAS) with HMI and its application software**: The SCADA system in 400/220 KV switchyard has become obsolete and upgradation is urgently required. The software life is already over. Upgradation is also required to comply Cyber Security Audit for Vulnerability Assessment and Penetration Test (VAPT). In view of the above, Commission is prayed to approve the proposal under	**4.70**	0.00	4.70	0.00	0.00	4.70	0.00

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
	Regulation Reg. 19.2 (iii), 9 (vii), 19.3 (a & c) of CSERC MYT Regulations, 2021.							
11	**Supply, Installation and Commissioning of Online DC Earth Fault Locator system for 220V DCDB of Switchyard and BTG:** By installing the proposed online DC Earth fault locator, at the time of DC earth fault it will locate the fault, therefore immediate remedial action can be taken to clear the DC earth fault and prevent any malfunction or nuisance tripping. In view of the above, Commission is prayed to approve the procurement under Regulation Reg. 19.2 (vii) and 19.2 (x)of CSERC MYT Regulations, 2021.	**1.80**	0.00	1.80	0.00	0.00	1.80	0.00
12	**VFD drive for 6.6 KV CEP motors of both units to improve energy efficiency:** As per energy audit recommendation proposed for increasing efficiency.	**13.10**	0.00	6.55	6.55	0.00	6.55	6.55

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
	In view of the above, Commission is prayed to approve the procurement under Regulation 19.2 (iii), (x) of CSERC MYT Regulations, 2021.							
13	**Road lighting from Silo gate to Marwa Chowk** Required for ash transportation. Commission is prayed to approve the proposal under Regulation 19.2 (iii) & (x).	**1.04**	0.00	1.04	0.00	0.00	1.04	0.00
14	**Brick Plant Installation**	**7.43**						
	Installation of brick plant of capacity 1,60,000 No's/day		0.0	7.22	0.0	0.0	7.22	0.0
	b) Development of basic infrastructure for of brick plan		0.0	0.21	0.0	0.0	0.21	0.0
15	**Upgradation of service road from silo gate of Powerhouse to Auraikala ash dyke**: To facilitate transportation for the mandatory ash utilization.The proposal is	**4.35**	0.00	4.35	0.00	0.00	4.35	0.00

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
	in accordance with the Regulation 19.2(iii) of the CSERC MYT Regulation.							
16	**1st stage raising of HCSD Lagoon-II(A) from RL-279 to 284 of Auraikala ash dyke of ABVTPS Marwa:** Deferred work related to ash dyke / ash bund.The proposal is in accordance with the Regulation 19.2(v) of the CSERC MYT Reg. 2021.	**6.77**	0.00	6.77	0.00	0.00	6.77	0.00
17	**Construction of 02 No's Weighbridge of 100 Ton capacity at Pali Ramp and Sarkhon Ramp at Auraikala ash dyke:** To facilitate measurement of ash transported and filing of statutory ash utilization compliance report. The proposal is in accordance with the Regulation 19.2(iii) of the CSERC MYT Reg. 2021.	**0.45**	0.00	0.45	0.00	0.00	0.45	0.00

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
18	**Construction of RCC Pedestals, additional chute drains at outer periphery of the ash dyke & renovation of drainage system of Auraikala ash dyke** The proposal is in accordance with the Regulation 19.2(v) of the CSERC MYT Reg. 2021.	**0.96**						
	(a)Construction of RCC Pedestals for garlanding of ash slurry pipeline in Bottom ash and HCSD-II(A) Lagoon of ash dyke		0.00	0.19	0.00	0.00	0.19	0.00
	(b)Construction of additional chute drains at outer periphery		0.00	0.42	0.00	0.00	0.42	0.00
	(c)Renovation of drainage system for disposal of storm water		0.00	0.35	0.00	0.00	0.35	0.00
19	**Construction of starter dyke at village Auraikala :**The proposal is in accordance with the Regulation 19.2(v) of the CSERC MYT Reg. 2021.	**1.60**	0.00	1.60	0.00	0.00	1.60	0.00
20	**Laying of pipeline system to control fugitive emission**	**0.47**	0.00	0.47	0.00	0.00	0.47	0.00

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
	The proposal is in accordance with the Regulation 19.2(iii) of the CSERC MYT Reg. 2021.							
21	**Construction of CC Roads at ash dykes**:To meet statutory mandate of 100% ash utilization, construction of CC roads at many places is required, however, to weigh options to achieve the end purpose more economically a high level review is in process. Accordingly, CSPGCL, at this juncture prays for "in-principle" approval for Construction of CC with leave for submission of details shortly. The proposal is in accordance with the Regulation Reg. 19.2 (iii) & Reg. 20 of the CSERC MYT Regulation.	In Principle						
SUB TOTAL NEW SCHEME		45.71	0.52	38.64	6.55	0.52	38.64	6.55
TOTAL ALL SCHEME		71.21	0.52	64.14	6.55	0.52	64.14	6.55

Annexure –V CIP FOR 3X40 MW HASDEO BANGO HYDRO POWER STATION

All figures in Rs Cr

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
SCHEMES APPROVED IN THE PREVIOUS ORDER AND EXPECTED TO CONTINUE IN THE ENSUING CONTROL PERIOD								
PRE-APPROVED SCHEMES								
1	**Supply, Erection, Testing and commissioning of 02 set of new Microprocessor based Digital Excitation system for U#1 & 2.** The scheme was approved in CIP order vide dated dt. 27.04.2022 in petition no 73/ 2021 (P-33). For Unit No 1, work completed by M/s BHEL, while for 2nd set material delivery is expected in Jan, 2025. Commissioning may spill over to FY 25-26.	**4.09**	1.91	2.18	0.00	1.91	2.18	0.00
SUB TOTAL –PRE APPROVED SCHEME		**4.09**	**1.91**	**2.18**	**0.00**	**1.91**	**2.18**	**0.00**
NEW SCHEMES EXPECTED TO COMMENCE IN THE ENSUING CONTROL PERIOD								

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
NEW SCHEMES								
2	**Refurbishment of old runner of Main Turbine** During COH of unit 3 in 2019, BHEL recommended replacement of Runner in next COH. Accordingly, as allowed in the CIP order, one spare runner has been procured. During next overhaul, if required new runner will be installed and the taken out worn runner will be sent to BHEL for refurbishment. However, as the cost and time required for refurbishment is intimated by BHEL only after detail inspection at this moment, "in-principle approval" is prayed The proposal is in accordance with the Reg. 19.2 (viii) read with Regulation 20 of CSERC MYT Regulation 2021(In Principle).	In Principle						

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Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
3	**Complete replacement of existing Generator CO2 fire protection system (CO2 flooding system) new microprocessor based CO2/clean gas based fire protection system** The existing system commissioned in 1994-95 is very old and not operative due to obsolescence. Even spare parts are not available. Restoration is required for safety and security of the plant. Therefore, complete replacement of the existing system with new microprocessor based CO2/clean gas based fire protection system is required Approval is prayed under Regulation Reg. 19.2 ((vii), (viii) read with Regulation19.3 (C) of CSERC MYT Regulation 2021.	**1.00**	0.00	1.00	0.00	0.00	1.00	0

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
4	**Retrofitting / renovation of oil lubricant based turbine guide bearing with water lubricated TGB system** CEA Guidelines for Renovation & Modernization of Hydro Power Stations recommended renovating oil lubricating bearing with self-lubricating non-metallic bearings. The self-lubricating bearings are environment friendly and avoid oil mixing with the river water. Proposed to renovate in phased manner. The projected cost is tentative and for one unit only. After the results of replacement in one set, proposal for next two sets will be submitted. Approval is prayed under under Regulation Reg. 19.2 ((ii),(viii) read with Regulation19.3 (b) of CSERC MYT Regulation 2021.	**4.00**	0.00	4.00	0.00	0.00	4.00	0.00

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
5	**Replacement of Drainage and Dewatering pumps with electrical instrument, control system & MCC.** 02 no. dewatering pump set are in service from the Year 1993. OEM M/s Jyoti Ltd has phased out the model & spares not available. Both drainage pump and Dewatering pumps are not performing well. Hence replacement of pumps with electrical instrument and control system and MCC is essential for plant safety. Approval is prayed under Regulation Reg. 19.2(vii) & (viii) read with 19.3 (c) of MYT Regulation 2021.	**2.00**	0	1.00	1.00	0	1.00	1.00
6	**Fire Tender** The old fire tender has already been written off. At present one fire tender taken on loan basis from DSPM TPS is stationed, which itself is old.	**1.60**	0.00	1.60	0.00	0.00	1.60	0.00

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
	Approval is prayed under Regulation Reg. 19.2(vii), (x) & 19.3 (a)of CSERC MYT Regulations, 2021.							
7	**Renovation of DCS SCADA based control system** The system has outlived. It is of relay and contactor based auto relaying type with manual controls without data logging and SOE facility. Upgradation of the system has been recommended by CEA too. BHEL has been requested to provide offer but response is awaited hence at present Cost and Time estimates cannot be submitted. Therefore "in-principle" approval is prayed. The proposal is in accordance with the Reg. 19.2 (viii) read with Regulation 20 of CSERC MYT Regulation 2021(In Principle).	In Principle						
SUB TOTAL NEW SCHEME		8.60	0.00	7.60	1.00	0.00	7.60	1.00
TOTAL ALL SCHEME		12.69	1.91	9.78	1.00	1.91	9.78	1.00

Annexure –VI - CIP FOR GARE PALMA-III MINE

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior to FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
NEW SCHEMES EXPECTED TO COMMENCE IN THE ENSUING CONTROL PERIOD								
NEW SCHEMES								
1	**land acquisition of village Bhalumar for R &R of Project Affected Families of village Bajarmuda** The cost stands revised from 12.63 Cr to 23.25 Cr. Revision is in accordance to the demand note raised by Revenue Authorities. Being Change / compliance of law for procurement & development of law is covered under Reg. 56.2.	**23.25**	23.25	0.000	0.000	23.25	0.000	0.000
2	**One Time Settlement payment to PAPs in lieu of employment:** The cost stands revised from 5.78 Cr to 23.18 Cr. Revision is in accordance to demand note raised by Revenue Authorities. As submitted above is covered under Reg. 56.2.	**23.175**	23.175	0.00	0.000	23.175	0.00	0.000

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior to FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
3	**Construction of Rest House, office building & other works and Extension of Rest house building, Office building in first floor and construction of 2 units 2BHK residential units (G+1) in the premises of SE (Civil), CMDC, CSPGCL, Gharghoda,:** Due to increased scope, cost is revised from 4.39 Cr to 7.61 Cr. The proposal is qualifies under Reg. 56.2(d)	**7.61**	4.39	3.22	0.000	4.39	3.22	0.00
4	**Construction of approach road (C.C.Road) from Gharghoda - chhal Main road to Gharghoda Railway Siding for transportation of Coal of GPIII Coal Block:** Already approved. No change in cost. Indicated only to show capitalisation in FY 25-26.	**2.65**	1.83	0.82	0.000	1.83	0.82	0.00
5	**Tree felling at GP III CMDC CSPGCL Ghargoda (Payment to Forest Department) –** As per demand note by DFO Raigharh. Qualifies under Reg 56.2	**3.09**	2.09	1.00	0.00	2.09	1.00	0.00

Sl no	SCHEME AND THE JUSTIFICATION	Scheme cost	EXPECTED CAPITAL EXPENSES			EXPECTED CAPITALISATION		
			Prior to FY 25-26	FY 25-26	After 25-26	Prior FY 25-26	FY 25-26	After FY 25-26
Apart from the above there is a new sub head scheme and in two sub heads there is cost revision, however as submitted earlier and recognised in previous orders too, the capitalisation of theses subheads shall be claimed when the benefits become realisable or in other words asset becomes eligible for "put to use".								
6	**Drilling of bore holes & preparation of GR for proving Coal reserve in mining lease area and additional unexplored 59.431 Ha.:** Already approved scheme. However, with prudent execution, the cost has come down form earlier approved cost of 25.60 Cr to 8.20 Cr.	**8.20**	8.20	0.00	0.00	Capitalisation shall depend on Statutory / Government clearances, which are uncontrollable. Leave is craved to claim Capitalisation in trueup.		
7	**Establishment of Private railway Siding of CSPGCL within mining lease are of Gare Pelma Sector-III Coal Mine:** The proposal is in accordance with the Reg. 19.2(x) MYT Regulation 2021.	**154.619**	25.00	104.00	25.405	- do-		
8	**Rerouting of Gharghoda-Pelma spurline (Railway Line):** Cost revision from 53.45 Cr to 91.87 Cr qualifies underReg. 19.2 (X) of CSERC MYT Regulation 2021.	**91.87**	91.87	0.00	0.00	- do-		

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Affidavit

BEFORE THE CHHATTISGARH STATE ELECTRICITY REGULATORY COMMISSION, RAIPUR

In the matter of

"Petition for Approval of Capital Investment Plan for FY 2025-26."

AFFIDAVIT

I, V.K. Pandey, S/o Late Shri N.K. Pandey, aged about 57 yrs. R/o Sr. HIG-I/609 Block-D, Kanchan Ashwa Apartment, DDU Nagar, Raipur (C.G.), do hereby solemnly affirm and state as follows:

i- I am Superintending Engineer, O/o E.D.(C&RA), Dangania Raipur of the petitioner Chhattisgarh State Power Generation Co. Ltd. and I am authorised and competent to execute this affidavit on behalf of the Company.

ii- The statements made in the petition submitted herewith are based on official records maintained during the ordinary course of business and true to my knowledge.

Deponent

Verification:

I, V.K. Pandey, S/o Late Shri N. K. Pandey, aged about 57 R/o Sr. HIG-I/609 Block-D, Kanchan Ashwa Apartment, DDU Nagar, Raipur (C.G.) do hereby verify that the contents of the above affidavit are true to my knowledge and belief from information, record and legal advice and no part of it is false and nothing material has been concealed there from.

Verified at Raipur on Friday, 29th day of Nov- 2024.

Deponent

Signature of Witness

SOLEMNLY AFFIRMED BEFORE ME

PRABHU LAL NAYAK
NOTARY / ADVOCATE
RAIPUR (C.G.)

29 NOV 2024

Authority letter (OIC)

CHHATTISGARH STATE POWER GENERATION CO. LTD.
छत्तीसगढ़ स्टेट पावर जनरेशन कंपनी लिमिटेड
(A Govt. of Chhattisgarh Undertaking)
(छत्तीसगढ़ शासन का एक उपक्रम)
CIN: U40108CT2003SGC015821

सी एस पी जी सी एल
CSPGCL

No 03-11/S.E.(HR)-II/3508 Raipur, Dtd. 22.NOV.2024

O/o C.E. (C&RA)
CSPGCL RAIPUR
R.R. No. 1285
Date 22/11/24

ORDER

Shri V.K. Pandey, S.E. O/o C.E.(C&RA) CSPGCL, Raipur is hereby authorized to act as Officer-in-charge and to sign, execute and authenticate by his signatures all papers and documents on behalf of CSPGCL in relation to filing of the Petition "Capital Investment Plan for FY 2025-26 for conventional Thermal and Hydro Plants" before CSERC.

(Approved by competent authority)

BY ORDER

Chief Engineer (HR)
CSPGCL, Raipur

Copy to :-

01. The C.E. (C&RA), CSPGCL, Raipur.
02. Shri V.K. Pandey, S.E. O/o C.E. (C&RA) CSPGCL, Raipur.

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Addl. C.E.
S.E.-I/II/III
E.E.-I/II/III
A.E.-I/II/III
C.S./EA
O.A.-I/II/III