



THE SINGARENI COLLIERIES COMPANY LIMITED
(A Government Company)
2 X 600 MW SINGARENI THERMAL POWER PROJECT
Jaipur (V&M)-504216, Mancherial (Dist), T.S.

Ref no: STPP/COML/2023-24/326

Dt: 13.10.2023

To,
The Secretary,
Telangana State Electricity Regulatory Commission,
5th Floor, Singareni Bhavan,
Red Hills, Hyderabad – 500 004

Sir,

Sub: SCCL – Reply to the additional information sought on the Filing of Capital investment plan (CIP) and Business Plan (BP) for the period FY 2024-25 to FY 2028-29 in respect of Singareni Thermal Power Project, Phase-I (2X600 MW) - Reg.

Ref: TSERC/Secy/F: /D.No. 676, Dt: 07.10.2023.

It is to kindly state that reply to the additional information sought for Capital investment plan (CIP) and Business Plan (BP) for the period FY 2024-25 to FY 2028-29 in respect of Singareni Thermal Power Project, Phase-I (2X600 MW) along with six copies are hereby submitted with a pen drive which have soft copies.

It is prayed before this Hon'ble commission to accept the same.

Thanking You.



Yours sincerely


CTC, STPP

Chief Technical Consultant
2X600 MW, STPP - Jaipur.

Encl: Reply to additional information with 6 copies and pen drive.

**Reply to the additional information
sought on the filings of Business
Plan and Capital Investment Plan
for the period FY 2024-25 to FY
2028-29 in respect of STPP.**

INDEX

SL no.	Item	Page no.
1	Reply to additional information sought by Hon'ble TSERC vide letter dated 07.10.2023.	1 - 4
2	Annexure - A: relevant documents of the loan taken from Bank of Baroda for the FGD project at STPP	5 - 13
3	Annexure - B: relevant documents containing tender documents, award of contract & price variation clauses of FGD works.	14 - 39
4	Annexure - C: relevant documents OHE and S&T works.	40 - 64
5	Annexure - D: SLC, MoC recommendation minutes and SCCL-STPP Coal supply MoU for FY 2023-24.	65 - 75
6	Appendix-A: relevant calculation sheet in the MS excel version for Balance Sheet, P&L and Cash flow statements. Appendix-B: Details of projected generation for next control period calculation sheet in the MS excel version.	submitted in the accompanying pen drive

SCCL Reply to the Additional Information Requirements on the filings of Business Plan and Capital Investment Plan for the period FY 2024-25 to FY 2028-29

1. The Petitioner shall provide the means of finance details for the proposed capital expenditure schemes (Government grant, Consumer Contribution, Equity and Debt).

Reply: It is to humbly submit that the financing for the proposed Capital expenditure scheme will be Debt and Equity in the ratio of 70:30. Among the schemes submitted, loan for FGD project was already tied up with Bank of Baroda. The relevant documents of the loan taken from Bank of Baroda for the FGD project at STPP is attached as **Annexure-A**.

2. For the year wise capital expenditure proposed, the Petitioner should provide its preparedness to execute the proposed schemes separately in terms of:
 - a. Financial Preparedness in terms of Funds Tie up.
 - b. Physical preparedness in terms of preparation of DPR, Tender Documents, Tendering Process and Award of Contract.

Reply: It is to humbly submit that the financial and physical preparedness for each section of proposed Capital investment plan are given below:

- i. **Flue Gas De-Sulphurisation System (FGD) For Sox Mitigation:** The order of Flue Gas De-sulphurisation project for mitigation of Sox was divided into two (2) contracts both of which were placed on M/s PES Engineering Pvt Ltd on 28.12.202. The work for FGD commenced on 28.12.2021. The scheduled completion of the FGD system is August-2024. The relevant documents containing tender documents, award of contract & price variation clauses are attached as **Annexure-B**.
- ii. **In-Furnace Modifications for Nox Mitigation:** STPP has 2 no's 600 MW boiler units and are supplied by M/s BHEL. For Nox mitigation, in furnace modification is required. In view of this the Original Equipment Manufacturer (OEM) BHEL is being consulted for awarding of the work in due course.
- iii. **Operation & Maintenance modules:** STPP projected PLF during FY 2024-29 is around 91% as detailed in the generation planning part of the business plan. It is utmost important to keep necessary capital spares available during the coming control period for successful execution of generation plan. It is submitted that STPP has 4 no's LP rotors and 2 no's exciter assembly installed and are the major constituents of turbine generator assembly used for generation of electricity which are prone to failure. In view of this one no LP rotor and one no exciter assembly is required as spare and the same will be procured from OEM BHEL. Necessary debt financing (70%) will be tied up once regulatory approval is received.
- iv. **Railway works:** Railway authorities have advised to arrange for overhead electrification system along with necessary signalling and telecommunication

(S&T) works to ensure safe running of railway wagons. In view of this work for overhead electrification (OHE) is under progress and is likely to be completed in FY 2024-25. The relevant documents of OHE and S&T works are attached as **annexure-C**. These works are taken up by SCCL by employing equity till date. However, the same will be recapitalised by tying up necessary quantum of debt financing after obtaining regulatory approval.

- v. **Other civil Works:** The works which are require for safety and effective running of plants like construction of closed shed for storage of materials, CC roads for ash transport and drainage system works will be taken up. Necessary debt financing (70%) will be tied up once regulatory approval is received.

3. As per Regulation 7 (a) of the Terms and Condition for determination of Generation Tariff Regulations, 2019 the details for saving in operating cost is to be provided in Business Plan. Accordingly, the details related to the Man Power planning as shown below and expected O&M cost (on yearly basis) shall be provided by the Petitioner.

Reply: It is to humbly submit the details of manpower planning in the table below:

Sl. No.	Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
1.	Opening Manpower (Nos.)	132	127	122	119	116
2.	Addition of Manpower (Nos.)	-	-	-	-	-
3.	Retirement of Manpower (Nos.)	5	5	3	3	3
4.	Closing Manpower (Nos.)	127	122	119	116	113

It is to submit that a major portion of STPP operation and maintenance is outsourced and the present contract is valid up to May-2024. The outsourced manpower details mentioned in the table are subjected to change.

Sl. No.	Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
1	Outsourced Manpower **					
	a) PES, FGD	641	Will be based on the award of O&M contract for the period			
	b) PMPL(O&M)	1396				
	c) Civil	286				
	d) Electrical,	22				
	e) Forest	62				
	f) CISF & Private Security	304				
	g) PTH & BTH	47				
	Sub total	2758				

**The outsourced manpower will vary from contract period to contract period. The details provided are actuals of FY 2023-24

It is to submit the total manpower details along with outsourced in the table below:

Sl. No.	Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
1.	Opening Manpower (Nos.)	2890	2885	2880	2877	2874
2.	Addition of Manpower (Nos.)	-	-	-	-	-
3.	Retirement of Manpower (Nos.)	5	5	3	3	3
4.	Closing Manpower (Nos.)	2885	2880	2877	2874	2871

It is to submit that the O&M cost estimates for FY 2024-25 to FY 2028-29 is attached in **appendix-A** which is attached in reply to question no.4.

4. The Petitioner shall provide the calculations with formula and linkages for estimating the financial statements (Balance Sheet, P&L and Cash flow statement) for Business Plan in MS Excel version in linked format.

Reply: It is to humbly submit that all the relevant calculation sheet in the MS excel version for Balance Sheet, P&L and Cash flow statements are provided as **appendix-A** and are provided in pen drive.

5. The Coal Requirement (domestic and imported coal) as well as the Coal arrangement made (Linkage, agreement, etc.) details for projected generation in Business plan shall be provided by the Petitioner.

Reply: It is to humbly submit that

- The Coal quantity required for STPP will be met 100% by domestic supplies. As the Naini coal production is yet to start and as per the Standing linkage committee (SLC), Ministry of Coal recommendation coal is being supplied to STPP from SCCL mines of Telangana.
- The SLC, MoC recommendation minutes and SCCL-STPP Coal supply MoU for FY 2023-24 is attached as **annexure-D**.
- The coal requirement for next control period year wise as per the proposed business plan is given in table below:

Particulars	FY2024-25	FY2025-26	FY2026-27	FY2027-28	FY2028-29
Requirement In Lakh Tonnes	55.99	57.65	57.65	57.81	57.65

- Further, as per TSERC directive SCCL is putting all efforts for swapping of coal from Naini to SCCL Telangana mines.
- Approvals including Stage-I and Stage-II forest clearances have been obtained for Naini coal block. SCCL is only awaiting handing over of forest land by the State Govt. of Odisha.

vi. The details of projected generation are given in **appendix-B** and are provided in pen drive.

6. Excel working sheets of Profit& Loss account and provisional balance sheet along with linked files.

Reply: It is to humbly submit that all the relevant calculation sheet in the MS excel version for Balance Sheet, P&L and Cash flow statements are provided as **appendix-A** and are provided in pen drive.



BOB/HYD/ADV/2022-23/813

22nd September, 2022

The General Manager (F & A)
The Singareni Collieries Company Limited
Kothagudem Collieries
Bhadradri Kothagudem Dist
Telangana State.

Dear Sir,

Re: Sanction advice for Fresh Credit facilities of Rs. 487.55 Crores.

We are pleased to inform you that our bank on 20.09.2022 has sanctioned the credit facilities, subject to annual review, on the terms and conditions mentioned in Annexure I enclosed herewith.

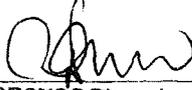
S.No	Facility		Limit (Rs In Crores)
01	Rupee Term Loan (For funding installation of FGD in STPP 2X600 MW coal based thermal power plant)	Fresh Sanction	487.55
	Total Limit		487.55

The next due date of the review shall be 20.09.2023, subject to satisfactory conduct of the account.

Following concession/deviation/modifications have also been approved:

1. To charge concessional rate of interest @ 7.20% p.a [1 year MCLR of SBI, valid for one year from the date of opening the bid i.e., 24.05.2022] with annual reset.
2. Allow 100% waiver of processing charge.
3. Allow 100% waiver of all other charges viz., Inspection charges, documentation charges, commitment charges, Pre-payment charges etc.
4. Allow time period of 120 days from the date of 1st disbursement for security perfection.
5. Allow waiver of carrying out of TEV study.
6. Allow to obtain Project Monitoring Agency Report (PMA)/Lenders Independent Engineer report LIE on half yearly basis as against the quarterly basis.
7. Accept 10% upfront promoter's contribution, against banks guidelines of 50% upfront in case of project finance.

The credit facilities sanctioned to you are subject to periodical review at the Bank's discretion, based on periodical operative statements to be submitted by you and also subject to various terms and conditions listed in the enclosed Annexure - I and submission of documents / information as detailed therein.

 DIRECTOR Signatory THE SINGARENI COLLIERIES CO LTD. KOTHAGUDEM Company Limited	 DIRECTOR (P&M) The Singareni Collieries Co. Ltd., (A Government Company) PMA Authorized Signatory
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M/s The Singareni Collieries Company Limited

Page 1 of 9

कापोरेट वित्तीय सेवाएँ शाखा, 3-6-262/2, तिरुमला एस्टेट, पहली मंजिल, हिमायतनगर, हैदराबाद - 500 029.
Corporate Financial Services Branch, 3-6-262/2, Tirumala Estates, 1st Floor, Himayatnagar, Hyderabad-500 029.

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बैंक ऑफ़ बड़ोदा
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विकास
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देना
DENA

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The bank reserves the right to discontinue the facility / advance / loans and to withhold / stop any disbursement without giving any notice, in case of non-compliance of any of the terms and conditions stipulated herein and from time to time as also in the relevant documents or any information / particulars furnished to us found to be incorrect or in case of any development or situation where in the opinion of the Bank its interest will be / is likely to be prejudicially affected by such continuation or disbursements.

The Bank reserves its right to withdraw / modify/ amend the terms and conditions of the credit facilities and the Bank would not be bound to disburse full amount of loan / advance, in the event of failure, on the part of the borrower, in satisfying any of the terms and conditions stipulated. The credit facilities sanctioned are subject to annual review which is valid for -01- Year i.e., up to 20.09.2023

Kindly return to us the enclosed duplicate copy of this letter duly signed by your authorized signatory, as a token of having accepted the terms and conditions stipulated herein to enable us to proceed for documentation.

Yours faithfully,

(Radha Sarada)
Asst. General Manager.

✓ Encl: As above.

 DIRECTOR (FINANCE) THE SINGARENI COLLIERIES CO. LTD. KOTHAGUDEM - 507 101 Authorized Signatory	 DIRECTOR (EAM) The Singareni Collieries Co. Ltd. KOTHAGUDEM - 507 101 Authorized Signatory
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Page 2 of 9

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Visit us : www.bankofbaroda.com

Annexure I**Detailed terms of sanction**

Name of the Company	The Singareni Collieries Company Limited (The Borrower)
Nature of Facility	Rupee Term Loan
Limit	Rs.487.55 Crores
Project Site	2x600 MW Coal based Singareni Thermal Power Plant at Pegadapalli Village Jaipur Mandal Mancherial District in Telangana State operated by M/s Singareni Collieries Company Limited.
Purpose	Part Finance towards installation of FGD in STPP 2x600 MW coal based thermal power project at Pegadpalli Telangana having project cost of Rs 696.50 Crs to be funded at Debt Equity ratio of 2.33:1.
Margin/ Promoter's Contribution	30%
Rate of interest	1 year of MCLR of SBI i.e. 7.20% p.a. (valid for one year from the date of opening the bid i.e., 24.05.2022). There will not be any moratorium for payment of interest and Interest to be served as and when applied on monthly basis.
Interest reset interval	Interest rate will be reset annually.
Processing charges/ Other Charges	Nil. Allow 100% waiver of all other charges viz., Inspection charges, documentation charges, commitment charges, Pre-payment charges etc
Out of Pocket Expenses/ Legal Audit Fee	Rs. 25,000/-+ GST
Scheduled Commercial Operations Date ("SCOD")	09.09.2024. Commercial operation date as declared by the Borrower and certified by the Lenders' Independent Engineer (LIE).
LIE/PMA/LLC	<ul style="list-style-type: none"> ➤ LIE (Lender's Independent Engineer) / LLC (Lender's Legal Counsel) to be appointed before disbursement of the facility in concurrence with our Bank. All costs expenses fees and other monies that are payable in connection with appointment of advisors shall be borne by the borrower subject to maximum of Rs.50000/-+ GST per report ➤ LIE to also ensure scope of Project Monitoring Agency is ensured. ➤ Empaneled advocate/LLC to be appointed for documentation as per Bank guidelines. ➤ LIE shall submit the report on Half Yearly basis.
Availability Period	Availability Period for the proposed loan shall be up to 6 months from the date of DCCO.
Tenor	<ul style="list-style-type: none"> ➤ Door to door tenor of 13 years and 11 Months (with base date: 01.08.2022) with repayment starting from the month of DCCO i.e. 30.09.2024 ➤ Project implementation period : 25 months from Zero Date- 01.08.2022

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Page 3 of 9



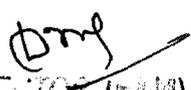
Security	➤ Moratorium period: Nil. 2 nd charge on the Singareni Thermal Power Project (STPP) Assets (2X 600 MW)																																																												
Submission of External Credit Rating	Borrower need to get itself rated within one year after COD and shall submit external credit rating of not below "AA" at least once every year post COD. The credit rating should have been done by SEBI/RBI accredited agencies only.																																																												
Repayment of Loan & Moratorium	Moratorium Period: Nil Repayment period: 48 structured quarterly instalments (12 Years).																																																												
Repayment Schedule	First Repayment date 30.09.2024 [Rs. In Crores]																																																												
	<table border="1"> <thead> <tr> <th>No</th> <th>FY</th> <th>Yearly Repayment</th> <th>Quarterly Repayment</th> </tr> </thead> <tbody> <tr><td>3</td><td>2024-2025</td><td>30.471</td><td>10.157</td></tr> <tr><td>4</td><td>2025-2026</td><td>40.628</td><td>10.157</td></tr> <tr><td>4</td><td>2026-2027</td><td>40.628</td><td>10.157</td></tr> <tr><td>4</td><td>2027-2028</td><td>40.628</td><td>10.157</td></tr> <tr><td>4</td><td>2028-2029</td><td>40.628</td><td>10.157</td></tr> <tr><td>4</td><td>2029-2030</td><td>40.628</td><td>10.157</td></tr> <tr><td>4</td><td>2030-2031</td><td>40.628</td><td>10.157</td></tr> <tr><td>4</td><td>2031-2032</td><td>40.628</td><td>10.157</td></tr> <tr><td>4</td><td>2032-2033</td><td>40.628</td><td>10.157</td></tr> <tr><td>4</td><td>2033-2034</td><td>40.628</td><td>10.157</td></tr> <tr><td>4</td><td>2034-2035</td><td>40.628</td><td>10.157</td></tr> <tr><td>4</td><td>2035-2036</td><td>40.628</td><td>10.157</td></tr> <tr><td>1</td><td>2036-2037</td><td>10.171</td><td>10.157</td></tr> <tr><td>48</td><td></td><td>487.55</td><td></td></tr> </tbody> </table>	No	FY	Yearly Repayment	Quarterly Repayment	3	2024-2025	30.471	10.157	4	2025-2026	40.628	10.157	4	2026-2027	40.628	10.157	4	2027-2028	40.628	10.157	4	2028-2029	40.628	10.157	4	2029-2030	40.628	10.157	4	2030-2031	40.628	10.157	4	2031-2032	40.628	10.157	4	2032-2033	40.628	10.157	4	2033-2034	40.628	10.157	4	2034-2035	40.628	10.157	4	2035-2036	40.628	10.157	1	2036-2037	10.171	10.157	48		487.55	
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Insurance	The security should be insured for appropriate value against all insurable hazards and the insurance policies retained by the Company. A copy of the policies should be submitted to Bank of Baroda. The insurance policies should be suitably endorsed in favour of Bank of Baroda. All expenses towards insurance policy is to be borne by the company																																																												
Security Perfection	Security on immovable securities to be created/perfected within -120- Days from the 1st date of disbursement.																																																												
Pre-payment charges	Nil																																																												
Security Documents	1. Documentation as advised by Empanelled advocate 2. Various undertaking as per bank's extant guidelines 3. Usual term loan documents and the security documents as per stipulated securities.																																																												
Insurance	To be obtained by the company with Bank clause.																																																												
Pre-commitment Conditions																																																													
Prior to documentation for the Facility the Borrower shall to the satisfaction of the Facility Lenders have complied with the following:																																																													
a. The Borrower shall agree to confirm/ undertake that none of the directors appear in RBI's/																																																													

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- CIBIL's Defaulters' list/ ECGC Caution List.
- b. Provide a copy of the resolution of the Board approving the terms and conditions of sanction and the transactions contemplated by the financing agreements and authorizing specified person(s) to execute sign and/ or dispatch all documents and notices to which it will be a party. The specimen signature of the authorized person(s) shall also be provided.
 - c. Agree for appointment of Lenders' Independent Engineer (LIE) and any other agencies by the Lenders as per scope of services to be provided by the Lenders. The Borrower would also agree that all information required by such agencies for carrying out the work assigned to them would be provided and expenditure incurred for availing the services from these agencies shall be borne by the Borrower.
 - d. Agree that the Borrower shall obtain adequate insurance cover both during construction phase and operation phase and agree to assign all insurance policies pertaining to the Project plan in favour of lenders.
 - e. Undertake that any cost overrun in the Project Cost would be met solely by the promoters/ directors/ group from their own sources.

- Pre-disbursement Conditions**
- 1. Unit visit / inspection to be carried out by Branch of all securities and be satisfied upon.
 - 2. Borrower shall furnish an unconditional acceptance of Terms & Conditions of the Sanction.
 - 3. Borrower shall complete all documentation to the satisfaction of the Lenders including Borrower's undertaking as stipulated.
 - 4. Vetting of documents to be carried out and any discrepancy to be rectified prior to disbursement.
 - 5. Request letter for disbursement.
 - 6. Management certified statement of expenses incurred-headwise along with Invoices/ payment details.
 - 7. At least 10% of Promoter's contribution to be brought in upfront.
 - 8. Management Certified Certificate having utilized the funds disbursed till date along with margin contribution towards the project expense.
 - 9. The Borrower shall provide all corporate authorizations/ resolutions as approved by its Board as advised by Bank & acceptable to the Bank for availing the facility and creating stipulated security.
 - 10. The applicant should give an undertaking to the effect that the loan amount shall not be utilized for any speculative purpose prohibited by RBI. Further an undertaking shall be obtained from the Company to the effect that the loan amount will not be utilized for the following purposes;
 - Capital market activities including subscription / purchase of shares;
 - Repayment of dues of Promoter/ Associate companies/ extending loans to Promoter/ Associate companies;
 - for investment in Real Estate business;
 - for any activities prohibited by RBI/ FEMA/ DGFT/ GOI/ State Government and other statutory bodies;
 - Any other speculative purposes
 - 11. Submission of such documentation and other evidence pertaining to Borrower / their Directors as requested by the Bank to conduct any "Know your customer (KYC)" or other similar procedures under applicable law.
 - 12. Submission of a copy of the constitutional documents and Certificate of Incorporation of the Borrower.

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13. All approvals which is to obtained upfront prior start of implementation (viz Building Plan, Consent to establish from pollution control board Environment Clearance Certificate from MOEF consent to store from Gram Panchayat etc. the list is only indicative and may vary) to be submitted by company.

14. Company to undertake to comply with all the legal & regulatory compliances.

Disbursement Clause	<ul style="list-style-type: none"> • Company to ensure that Project DE ratio of 2.33:1 is maintained at each stage of disbursement. • Company to furnish GST numbers in respect of domestic suppliers for verification purpose. • Due diligence of suppliers as per Banks requirement. • Disbursement shall be made in stages directly to Contractor/supplier at each stage of disbursement inspection will be carried out and end use of the Bank's funds will be ensured by the Branch.
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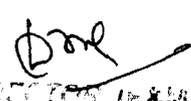
Post-disbursement conditions	<ol style="list-style-type: none"> 1. Utilization Certificate duly certified by the Management/ authorized official certifying that the loan amount has been utilized for the purpose specified in the Scheme. 2. Completion & Commencement Certificate' duly certified by the management of the Company and LIE.
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Other Covenants

- Legal Audit to be done as per bank guidelines.
- In case of any exigencies or problems in supplies because of which the revenue generation is lower than the amount of repayment of loans and interest the company has to undertake to service the debt and interest from its other sources of income.
- The Borrower shall confirm that all necessary statutory permissions from regulatory governmental and environmental and other agencies have/shall be obtained as required from time to time.
- The Company shall submit declaration to the effect that none of the Directors is having any relation with any senior official of our Bank/other bank.
- The Company should undertake to utilize the borrowed funds for the purpose for which it is sanctioned/ availed.
- The Borrower shall agree that all fees/costs pertaining to consultants/ Security trustee if any shall be borne by them.

Other terms and conditions

1. The borrower should maintain adequate books of accounts as per applicable accounting practices and standards which should correctly reflect its financial position and scale of operations and should not radically change its accounting system without notice to the Bank.
2. The borrower should submit to the Bank such financial statements as may be required by the Bank from time to time in addition to the set of such statements to be furnished by the borrower to the Bank as on the date of publication of the borrower's annual accounts.
3. In case of default in repayment of the loan/advances or in the payment of the interest thereon or any of the agreed installments of the loan on due date(s) by the borrower the Bank and/or the

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M/s The Singareni Collieries Company Limited

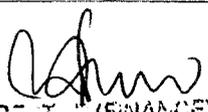
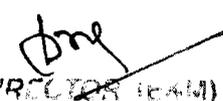


RBI will have an unqualified right to disclose or publish the borrower's name or the name of the borrower/unit as defaulters/willful defaulters in such manner and through such medium as the Bank or RBI in their absolute discretion may think fit.

4. The Bank will have the right to share credit information as deemed appropriate with Credit Information Companies (CICs) or any other institution as approved by RBI from time to time.
5. The borrower should not induct into its Board a person whose name appears in the willful defaulters list of RBI / CICs. In case such a person is already on the Board of the borrowing company it would take expeditious and effective steps for removal of that person from its Board. Nominee directors are excluded for this purpose.
6. Bank will have the right to examine at all time the borrower's books of accounts and to have the borrower's factories inspected from time to time by officer(s) of the Bank and/or qualified auditors and/or technical experts and or management consultants of the Bank's choice. Cost of such inspection shall be borne by the borrower.
7. The company to undertake that they shall not without prior written permission of the Bank undertake any of the following activities:
 - a. Formulate any scheme of amalgamation or reconstruction merger acquisition slump sale / buying.
 - b. Any change in the management set-up / capital structure of the company
 - c. Pledge company's shares to any Bank/NBFC/Institution
 - d. Sell assign mortgage or otherwise dispose of any of the fixed assets charged to the Bank.
 - e. Enter into any contractual obligation of a long term nature (i.e. 2 years or more) which in the reasonable assessment of the Bank is an unrelated activity and detrimental to lender's interest viz acquisitions beyond the capability of borrower as determined by the present scale of operations or tangible net worth of the borrower / net means of promoters leveraged buyout etc.
 - f. Change the practice with regard to remuneration of directors by means of ordinary remuneration or commission scale of sitting fees etc. except where mandated by any legal or regulatory provisions.

The borrower(s) shall give minimum 60 days prior notice to the bank for seeking permission to undertake any of the above activities to enable the bank to take a view.

8. **Each of the following events will attract penal interest / charges @ 2% p.a. over and above the normal interest applicable in the account:**
 - For the period of overdue interest and installments.
 - Non-submission of Audited Balance Sheet within 6 months of closure of financial year.
 - Non-submission of review/renewal data at least -2- months prior to due date.
 - Non-obtention of External credit risk rating from agency approved by RBI within permitted time.
 - Security creation/perfection within permitted timeline.
 - In any case of event of default.
9. **Event of Default is defined as occurrences of any of the following events till the time the same is rectified:**
 - Defaults in payment of Bank Dues.
 - Breach of financial covenant beyond accepted levels by more than 10 %.
 - Breach of any Terms of sanction

 DIRECTOR (FINANCE) THE SINGARENI COLLIERIES CO. LTD. Authorized Signatory 7/101	 DIRECTOR (TEAM) The Singareni Collieries Co. Ltd. Authorized Signatory 7/101
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- Any misrepresentation or statement made by any Borrower.
- Borrower utilizes the Loan proceeds for any purpose other than that in accordance with this Agreement and/or Transaction Documents.
- In case any of the Clearances/ permit/consent/authorization of Borrower otherwise relating to the Project have been revoked or lapsed or terminated or suspended or ceases to be in full force and effect and the same is not rectified within a period of 30 (thirty) days from the date of lapse to the satisfaction of the Lenders.

10. Representation and warranties

The following representations/warranties (repeating on each day until Final Settlement) to be provided by the Borrower:

- It has the power and authority to execute the Financing Document.
- It is in compliance with all applicable laws and has obtained all clearances and authorizations.
- The execution and performance of the financing documents do not conflict any other agreements / its constitutional documents.
- The assets over which Security is to be created are free of encumbrance other than security already created/ being created and disclosed to the Lenders for various borrowings of the company.
- No event of default has occurred or will occur due to execution of / disbursement under the financing documents.
- All information provided to the Lenders is true and correct.
- The financial statements delivered to the Lenders are its most recent and prepared in accordance with applicable laws and generally acceptable accounting principles.
- No material litigation / arbitration proceedings other than those disclosed by the company to Lenders from time to time exists which will have a material adverse effect.
- It does not have any right of immunity from legal proceedings or under contract.
- No action has been taken (voluntary or involuntary) for its liquidation / insolvency including under the Insolvency and Bankruptcy Code 2016.
- Subject to existing charge of its Lenders the company has good and marketable title to its assets over which Security is to be created.
- No material adverse effect exists.
- It is not a wilful defaulter with any bank/financial institution.

"Material Adverse Effect" (MAE) shall mean the effect or consequence of an event or circumstance which in the opinion of the Lenders is or likely to have a material and adverse effect on:

- The financial condition business or operations of the Borrowers;
- The ability of the Borrowers to perform their obligations or exercise their rights under the financing documents; or
- the validity or enforceability of any of the financing documents

11. Financial Covenants

The facility will have following financial covenants (including but not limited to) to be calculated on borrowers financials as per the audited financials.

1. DSCR of STPP – Min 1.10
2. FACR of STPP -- Min 1.25 and Security Coverage on residual basis – Min 1.50.

For any adverse deviation in respect of any of the above financial covenants Penal/ additional interest

 DIRECTOR (FINANCE) THE SINGARENI COLLIERIES CO. LTD. Authorized Signatory	 DIRECTOR (TEAM) The Singareni Collieries Co. Ltd. A Government Company Authorized Signatory
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of 2% p.a. will be levied for the period of non-adherence i.e. till the breach is cured. Further in case of adverse deviation the Borrower to cure breach of the financial covenants by bringing in the required funds from the promoter funds for revised calculation of covenants for the Financial Covenant clause. The Statutory Auditors/ Management certificate regarding the infusion of funds shall also be submitted by the borrower within 6 months from the end of the financial year (half year ending on September 30) subject to a minimum period of 1Y. In case of continuous default/ decline in performance levels the Lenders may stipulate any other conditions in consultation with the Borrower as deemed necessary and no dividend shall be paid till the position is rectified to the satisfaction of lenders.

12. The Bank reserves the right to alter the spread upon occurrence of any of the following:
- RBI enhancing the standard provisioning requirements/ risk weightage for banking assets.
 - Downward revision in the credit rating of borrower by a Credit Rating Agency will attract revision in rate of interest as per Bank's discretion.
 - Occurrence of an Event of Default.
 - In case there is any irregularity in compliance of sanction terms/security perfection/breach of financial covenants etc.

In the event the interest reset is not acceptable the borrower shall have the option to prepay the entire amounts outstanding under the Facility within -180- days from the reset date without prepayment penalty.

13. Promoter's shares in the borrowing entity should not be pledged to any Bank / NBFC / Institution without our consent.

14. The company to undertake:-

- Not to inter lock funds among subsidiary/ associate concerns.
- Not to resort to diversion of working capital funds. The borrower will utilize the funds for the purpose they have been lent.
- Any shortfall in the net working capital shall be raised by the company from its own long term sources.
- Not to repay any loan/deposit received from Directors/ Clients/ Relatives as unsecured loans during the currency of Bank's finance.

15. Our Bank to register charge with the CERSAI as per bank guidelines.

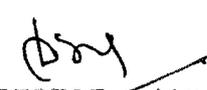
16. Due diligence certificate from company secretary on half yearly basis to be submitted

17. Company to obtain external credit rating from any approved External Credit Rating Agencies on annual basis. All concession granted in the account are subject to External Credit Rating. The bank will have the liberty to withdraw all concessions for non-submission/ non-renewal of external credit rating within stipulated time.

18. Road map for ancillary business to be submitted by the company. Company to endeavor to utilize various products of our bank like salary accounts, retails products (Housing Loan, Vehicle Loan etc.), CMS facility etc.

19. RBI/FEMA/KYC/PMLA/SEBI/FATCA's guidelines to be adhered to on time to time basis.



 DIRECTOR (FINANCE) THE SINGARENI COLLIERIES CO. LTD. Authorized Signatory	 DIRECTOR (E&M) The Singareni Collieries Co. Ltd. Authorized Signatory
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Contract details of FGD Project for 2X600 MW STPP		
First contract: 7600008906(Supply)		
Sl no	Item description	Amount
1	Main Equipment	3,39,21,28,225.00
2	Mandatory spares	15,86,96,057.00
3	Type tests	55,45,661.00
Total		3,55,63,69,943.00
Second contract: 7600008907(services)		
Sl no	Item description	Total amount
1	Frieght & Insurance for Main Equipment	3,64,50,501.00
2	Frieght & Insurance for Mandatoroty spares	19,83,701.00
3	Erection- Main Equipment	52,27,05,139.00
4	Civil works	1,56,41,48,015.00
5	Structural Works	16,86,14,561.00
6	Training charges	26,77,996.00
7	AMC Charges	39,67,401.00
8	Amount linked to safety Aspects	4,56,25,116.00
Total		2,34,61,72,430.00
Grand Total		5,90,25,42,373.00
Note:		
1) Taxes and IDC are extra to above amount.		
2) Price variation as per contract terms		

THE SINGARENI COLLIERIES COMPANY LIMITED
(A GOVT COMPANY)

Corporate Purchase Department - Kothagudem
e-mail : sec01_pd_crp@scclmines.com
Phone : 08744 242301, Extn : , Fax : 08744 245651

APGST: WGL/09/2/1211 Dt: 21-04-1966,
ST: WGL/09/2/1016 Dt: 22-12-1965
Sales Tax Registration No. WEP 1-4-88,
Registration No as Tax deductor:36AAACT8873F1DA

TIN NO: 36150117915
CIN:U10102TG1920SGC000571
GSTNO:36AAACT8873F1Z1
21AAACT8873F1ZC (Odisha - Naini Project)

Firm Order (Service)

Subject First Contract- Supply of Main equipment including mandatory spares and type test charges for Flue Gas Desulphurisation (FGD) System package for STPP Stage-I

Po Number : 7600008906 PO Date : 28.12.2021 Plant : 9100 STPP Jaipur Power Plant	Our Enquiry No : E011900413 Enquiry Date : 29.01.2020 Your Quotation No : PESEPL Quotation Date : Your negotiations No :
To, M/s PES Engineers Pvt.Ltd. , 1st Floor,Pancom Chambers, 6-3-1090/1/A,Somajiguda Raj, Bhavan Road Hyderabad - 500016 , Telangana India Phone : 7893775511 e-mail: raovvk@peseng.net Vendor Code : 5000011466	Nature of Items : Capital For Use at : STPP Type of Order : Service

Your above quotation for providing Services has been accepted on the terms and conditions stipulated here in

Please refer

- I. Details of the services are enclosed in Annexure-I
- II. General Terms and conditions, as Per Annexure

Terms and Conditions:

1. Price F.O.R F.O.R destination -
2. Discount / Rebate -
3. Packing Charges Inclusive.
4. Forwarding Charges Inclusive.
5. Freight Seperate PO No.7600008907 Dtd.28.12.2021 is released.
6. Insurance Seperate PO No.7600008907 Dtd.28.12.2021 is released.
7. Excise Duty / GST GST Extra as applicable. Presently @18%.
8. VAT / CST / Service Tax / GST -
9. Guarantee / Warrantee Defect liability period: As per GCC Clause 27.2 of Bid Document.
Functional Gurantee : As per Sub-Section-VI (Functional Guarantees
<(>&<)> Liquidated damages) of Section-VI Technical specification)of Bid Document.
10. Price Variation Clause The Contract Price shall be adjusted in accordance with provisions of Appendix-2 (Price Adjustment) to the Contract Agreement (G.C.C Clause 11.2).
11. Risk Purchase Clause Applicable as per GCC Clause No.7.3.1.11.
12. Price Fall Clause Not applicable.
13. LD Penalty Clause Applicable as per Sl.No.1 of Amendment No. 01 to Commercial Portion of Bidding Document.
14. Certificates -
15. Mode of Dispatch -
16. Performance Bank Guarantee I.As per Clause No.33.0 of ITB of Bid Document read with SCCL Ir. CRP/MP/01/E011900413/1892 Date:05/06.05.2021, Firm shall submit PBG for 3% of Contract Price for all the contracts within 28 days after receipt of the Notification of Award.

II. In case of award of a project, through Route-2, Route-3 and Route-4, the QFDGM will be required to furnish an on-Demand bank guarantee for an amount of 2% of the total contract price of the FGD System Package for the awarded project in addition to the contract performance security to be furnished by the Firm (i.e. M/s PES Engineers Pvt Ltd). M/s PES Engineers has qualified through Route-4 and M/s Ducon Technologies, USA, is the QFDGM.

The Contract price for the First Contract is Rs.355,63,69,943.00.
The Contract Price shall be paid as specified in Appendix 1 (Terms and Procedures of Payment) to the Contract Agreement. (Clause 12 of GCC).

Bank Particulars:

- i) Account Name: PES Engineers Private limited
- ii) Banker's Name: Union Bank of India Formerly Andhra Bank)
- iii) Branch : Somajiguda
- iv) Bank address : 1st Floor, PANCOM Chambers, 6-3-1090/1/A, Somajiguda, Rajbhavan Road, Hyderabad. Pincode-500082.
- v) 9 Digit MICR code : 500011035
- vi) 11 Digit IFSC code of Beneficiary Branch : ANDB0000435
- vii) Bank Account No.: 043513046005304
- viii) Bank Account Type : Cash - Credit

17. Payment Terms/RTGS details

18. Delivery Schedules

-
Applicable as per BDS Item No.10 of Bid Document.

19. Delivery Completion date

20. last date for PO/ Validity of

31.03.2025

22. Other Remarks

Note:

1) Since the entry value for each line is limited to Rs.99,99,99,999.00 only, the order rate for Ex-Works Main equipment is split into 4 parts and entered in lines 1,2 3<(>&<)>4.

2) Award of Contracts (As per ITB Clause 29.7):

The award shall be made as follows:

(i) First Contract (Present Contract PO No.7600008906 dated 28.12.2021):

For Ex-works (India) supply of plant and equipment including type test charges and mandatory spares (For Schedule-1).

(ii) Second Contract (Other Contract PO No.7600008907 dated 28.12.2021):

(For Schedule-2<(>&<)>3).

For providing all services i.e., inland transportation for delivery at site, inland transit insurance, unloading, storage, handling at site, installation (including Civil <(>&<)> Structural Steel works, allied works if applicable), insurance covers other than inland transit insurance, testing, commissioning and conducting Guarantee tests in respect of all the equipment supplied under the 'First Contract', Civil Works and all other services as specified in the Contract Documents.

Both the above Contracts will contain a cross-fall breach clause specifying that breach of one Contract will constitute breach of the other Contract which will confer a right on the Employer to terminate the other Contract also at the risk and the cost of the Contractor.

III. Bid Document No.CW-CM-11017-C-O-M-003 along with Amendments, are attached.

THE SINGARENI COLLIERIES COMPANY LIMITED
(A GOVT COMPANY)

Corporate Purchase Department - Kothagudem

e-mail : sec01_pd_crp@scclmines.com

Phone : 08744 242301, Extn : , Fax : 08744 245651

APGST: WGL/09/2/1211 Dt: 21-04-1966,
ST: WGL/09/2/1016 Dt: 22-12-1965
Sales Tax Registration No. WEP 1-4-88,
Registration No as Tax deductor:36AAACT8873F1DA

TIN NO: 36150117915
CIN:U10102TG1920SGC000571
GSTNO:36AAACT8873F1Z1
21AAACT8873F1ZC (Odisha - Naini Project)

Firm Order (Service)

Subject Second Contract-Inland Transportation, Insurance, Installation, testing, commissioning and inducting Guarantee tests etc. of Flue Gas Desulphurisation (FGD)

Po Number : 7600008907 PO Date : 28.12.2021 Plant : 9100 STPP Jaipur Power Plant	Our Enquiry No : E011900413 Enquiry Date : 29.01.2020 Your Quotation No : Quotation Date : Your negotiations No :
To, M/s PES Engineers Pvt.Ltd. , 1st Floor,Pancom Chambers, 6-3-1090/1/A,Somajiguda Raj, Bhavan Road Hyderabad - 500016 , Telangana India Phone : 7893775511 e-mail: raovvk@peseng.net Vendor Code : 5000011466	Nature of Items : Capital For Use at : STPP Type of Order : Service

Your above quotation for providing Services has been accepted on the terms and conditions stipulated here in

Please refer

- I. Details of the services are enclosed in Annexure-I
- II. General Terms and conditions, as Per Annexure

Terms and Conditions:

- | | |
|---|---|
| 1. Price F.O.R | F.O.R destination - |
| 2. Discount / Rebate | - |
| 3. Packing Charges | Inclusive. |
| 4. Forwarding Charges | Inclusive. |
| 5. Freight | Inclusive. |
| 6. Insurance | Inclusive. |
| 7. Excise Duty / GST | GST Extra as applicable. Presently @18%. |
| 8. VAT / CST / Service Tax / GST | - |
| 9. Guarantee / Warranty | Defect liability period: As per GCC Clause 27.2 of Bid Document.
Functional Guarantee : As per Sub-Section-VI (Functional Guarantees
<(>&<)> Liquidated damages) of Section-VI Technical specification)of Bid Document. |
| 10. Price Variation Clause | The Contract Price shall be adjusted in accordance with provisions of Appendix-2 (Price Adjustment) to the Contract Agreement (G.C.C Clause 11.2). |
| 11. Risk Purchase Clause | Applicable as per GCC Clause No.7.3.1.11. |
| 12. Price Fall Clause | Not applicable. |
| 13. LD Penalty Clause | Applicable as per Sl.No.1 of Amendment No. 01 to Commercial Portion of Bidding Document. |
| 14. Certificates | - |
| 15. Mode of Dispatch | - |
| 16. Performance Bank Guarantee | I.As per Clause No.33.0 of ITB of Bid Document read with SCCL Ir. CRP/MP/01/E011900413/1892 Date:05/06.05.2021, Firm shall submit PBG for 3% of Contract Price for all the contracts within 28 days after receipt of the Notification of Award. |

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II. In case of award of a project, through Route-2, Route-3 and Route-4, the QFDGM will be required to furnish an on-Demand bank guarantee for an amount of 2% of the total contract price of the FGD System Package for the awarded project in addition to the contract performance security to be furnished by the Firm (i.e. M/s PES Engineers Pvt Ltd). M/s PES Engineers has qualified through Route-4 and M/s Ducon Technologies, USA, is the QFDGM.

The Contract price for the second Contract is Rs.234,61,72,430.00

The Contract Price shall be paid as specified in Appendix 1 (Terms and Procedures of Payment) to the Contract Agreement. (Clause 12 of GCC).

Bank Particulars:

- i) Account Name: PES Engineers Private limited
- ii) Banker's Name: Union Bank of India Formerly Andhra Bank)
- iii) Branch : Somajiguda
- iv) Bank address : 1st Floor, PANCOM Chambers, 6-3-1090/1/A, Somajiguda, Rajbhavan Road, Hyderabad. Pincode-500082.
- v) 9 Digit MICR code : 500011035
- vi) 11 Digit IFSC code of Beneficiary Branch : ANDB0000435
- vii) Bank Account No.: 043513046005304
- viii) Bank Account Type : Cash - Credit

17. Payment Terms/RTGS details

18. Delivery Schedules

19. Delivery Completion date

20. last date for PO/ Validity of

-
Applicable as per BDS Item No.10 of Bid Document.

31.03.2025

22. Other Remarks

Note:

1) Since the entry value for each line is limited to Rs.99,99,99,999.00 only, the order rate for Civil works is split into 2 parts and entered in lines 4<(>&<)>5.

2) Award of Contracts (As per ITB Clause 29.7):

(i) First Contract (Other Contract PO No.7600008906 dated 28.12.2021):

For Ex-works (India) supply of plant and equipment including type test charges and mandatory spares (For Schedule-1).

(ii) Second Contract (Present Contract PO No.7600008907 dated 28.12.2021): (For Schedule-2<(>&<)>3).

For providing all services i.e., inland transportation for delivery at site, inland transit insurance, unloading, storage, handling at site, installation (including Civil <(>&<)> Structural Steel works, allied works if applicable), insurance covers other than inland transit insurance, testing, commissioning and conducting Guarantee tests in respect of all the equipment supplied under the 'First Contract', Civil Works and all other services as specified in the Contract Documents.

Both the above Contracts will contain a cross-fall breach clause specifying that breach of one Contract will constitute breach of the other Contract which will confer a right on the Employer to terminate the other Contract also at the risk and the cost of the Contractor.

III. Bid Document No.CW-CM-11017-C-O-M-003 along with Amendments, are attached.



THE SINGARENI COLLIERIES COMPANY LIMITED
 (A GOVERNMENT COMPANY)
CORPORATE MATERIAL PROCUREMENT DEPARTMENT
KOTHAGUDEM COLLIERIES P.O – 507101
DIST: BHADRADRI KOTHAGUDEM– TELANGANA (STATE)
CIN:U10102TG1920SGC000571

TELEPHONE: 91-08744-243665 - EPABX: 08744-235500
TELE FAX: 91-08744-245651 / 242874; e-mail ID: gm_pd@scclmines.com.
Company Web site: www.scclmines.com

GST NO: 36AAACT8873F1Z1

NOTICE INVITING TENDERS (NIT)

Sub: FLUE GAS DESULPHURISATION (FGD) SYSTEM PACKAGE FOR SINGARENI THERMAL POWER PROJECT, STAGE-I (2 X 600 MW).

IFB No./ Tender No.	E0119O0413 Dated: 29.01.2020
Bidding document No.	CW-CM-11017-C-O-M-003
Tender ID (E-portal ID)	163461
Number of Sources	Single
Mode of enquiry	Open
Mode of Tendering	Two cover
Input Tax Credit	Not applicable.

1. Tenders are invited for Flue Gas Desulphurisation (FGD) system package for Singareni Thermal Power Project (STPP), Stage-I (2 x 600 MW). **Technical specifications (Section-VI) are attached as Annexure.**
2. The approximate value of the enquiry is **Rs. 646.00 Crores**. Bidder shall submit an EMD of **INR. 1,00,00,000/- (Indian Rupees One crore only)** through online utilizing the "Payment Gateway Service on e-Procurement platform". (For other details Pl. refer EMD clause).
3. **Pre-Bid Conference:** A pre-bid meeting will be held at Singareni Bhavan, Hyderabad as per the date mentioned in the e-portal. (Please refer to B.D.S Para 2.0 for other details). The bidders' authorized representatives are invited to attend the pre-bid Conference. No of representatives permitted to attend the pre-bid meeting shall be limited to a maximum of 2 persons per bidder. Non-attendance at the pre-bid meeting will not be a cause of disqualification.

SCCL Helpdesk Numbers for online Bid Submission :
Numbers: 08744 - 235558/235559/235553

THE SINGARENI COLLIERIES COMPANY LTD.

(A Government Company)



(CONSULTANT – NTPC LIMITED)

(A Government of India Enterprises)

**SINGARENI THERMAL POWER PROJECT
STAGE-I (2 x 600 MW)**

BIDDING DOCUMENTS

FOR

FLUE GAS DESULPHURISATION PACKAGE

SECTION - I, II, III, IV & V

CONSULTANT



NTPC LIMITED

BIDDING DOCUMENT NO.: CW-CM-11017-C-O-M-003

(This document is meant for the exclusive purpose of bidding against this Bid Document No./ Specification and shall not be transferred, reproduced or otherwise used for purposes other than that for which it is specifically issued).

**BIDDING DOCUMENTS FOR
FLUE GAS DESULPHURISATION SYSTEM (FGD) PACKAGE
FOR
SINGARENI THERMAL POWER PROJECT
STAGE-I (2 x 600 MW)**

BIDDING DOCUMENT NO. : CW-CM-11017-C-O-M-003

CONTENTS

- Section I - Invitation for Bids (IFB)
- Section II - Instructions to Bidders (ITB)
- Section III - Bid Data Sheet (BDS)
- Section IV - General Conditions of Contract (GCC)
- Section V - Special Conditions of Contract (SCC)
- Section VI - Technical Specifications (TS)
- Section VII - Forms and Procedures (FP)
 - A **Section-VII (Part 1 of 3) :**
Bid Form & Attachments (**Envelope-I: Techno- Commercial Bid**)
 - B **Section-VII (Part 2 of 3) :** Bid Form & Attachments along with Price Schedules (**Envelope -II: Price Bid**)
 - C **Section-VII (Part 3 of 3)**
 - 2. Bid Security Form - Bank Guarantee **-Not Applicable-**
 - 2a. Bid Security Form - Bank Guarantee in case of Bid from Joint Venture **-Not Applicable-**
 - 2b. Bid Security Form - Letter of Credit **-Not Applicable-**
 - 3 (a) Form of Notification by the Employer to the Bidder
 - (b) Form of Sight Draft **-Not Applicable-**
 - 4. Forms of Notification of Award
 - 5. Form of Contract Agreement

6. Performance Security Form
- 6a. Performance Security Form in case of Contract awarded to Joint Venture – **Not Applicable –**
7. Forms of Advance Payment Security
 - (i) Bank Guarantee Form for Advance Payment (for Supply - Ex-Works)
 - (ii) Bank Guarantee Form for Advance Payment (for Installation Services)
 - (iii) Bank Guarantee Form for Advance Payment in case of Contract awarded to Joint Venture – **Not Applicable –**
8. Form of Completion Certificate
9. Form of Operational Acceptance Certificate
10. Form of Trust Receipt
11. Forms of Indemnity-Cum-Undertaking Agreement (2 Nos.)
12. Form of Authorisation Letter
13. Forms of Deed of Joint Undertaking
14. Form of Bank Guarantee by Associate/Collaborator
15. Form of Joint Venture/Consortium Agreement – **Not Applicable –**
16. Form of Bank Guarantee Verification Check List
17. Form of Extension of Bank Guarantee
18. Forms of Indemnity-Cum-Undertaking Agreement regarding removal/ disposal of scrap and surplus material.

PRICE ADJUSTMENT

- (i) The Contract Price shall be subject to price adjustment during performance of the Contract to reflect changes in the cost of labour and material components etc. in accordance with the provisions described below.
- (ii) The price adjustment provisions shall be applicable separately for price components relating to Supply of Equipment including spare parts, Installation, Civil and Structural Works, as per price break-up furnished by the Contractor in Schedule-1 / Schedule-5 and Schedule-3. **The Price Adjustment shall be without any Ceiling.**
- (iii) Only following components of the Contract Price will be subject to Price adjustment:
- (a) Ex-Works (India) Price of Plant and Equipment including Mandatory Spares manufactured within the Employer's Country, but excluding Type Tests Charges (covered in Schedule 1)
 - (b) Installation Price Component of Contract Price (covered in Schedule 3) consisting of Erection portion.
 - (c) Civil Works price component of Contract Price (covered in Schedule-3).
 - (d) Site Fabricated Structural Works price component of Contract Price (covered in Schedule-3).
 - (e) Ex-Works (India) Price of Recommended Mandatory Spares manufactured within the Employer's Country (covered in Schedule-5).
- (ii) Price adjustment amounts towards aforesaid components of Contract Price shall be paid in the currency of Contract.
- (iii) The indices for price adjustment shall necessarily be of the country of origin of goods/labour and shall be well established and nationally recognized in the country of manufacture. Preferably Government indices shall be used.
- (iv) The price adjustment formula for the components of the Contract Price, as mentioned at Sl.No. (iii) above shall be as stipulated hereinafter.
- (v) **Ex-Works Price Component of Plant and Equipments including spares, but excluding Type Tests Charges**

It is understood that the price component of the equipment for any shipment/ despatch comprises of a fixed portion (designated as 'F' and the value of which is specified hereunder) and a variable portion linked with the indices for various materials and labour (description and co-efficient as enumerated below).

The amount of price adjustment towards variable portion payable/recoverable on each shipment/despatch shall be computed as under:

$$EC = EC_1 - EC_0$$

EC₁ will be computed as follows :

$$EC_1 = EC_0 \left\{ F + a \times \frac{A_1}{A_0} + b \times \frac{B_1}{B_0} + c \times \frac{C_1}{C_0} + \dots \dots \dots \right. \\ \left. + Lb \times \frac{L_1}{L_0} \right\}$$

Where

EC = Adjustment to Ex-Works price component expressed in the currency of the Contract payable to the contractor for each shipment/despatch.

EC₁ = Adjusted amount of Ex-works price component expressed in the currency of the Contract payable to the Contractor for each shipment/despatch.

EC₀ = Ex-works price for the plant and equipment in the currency of the Contract, shipment/despatchwise.

- F shall be fixed portion of the Ex-works component of the Contract Price.
- a, b, c etc. shall be co-efficients of major materials/items involved in the Ex-works component of the Contract Price.
- A, B, C etc. shall be published price indices of corresponding major materials/items. Such indices shall necessarily be of the country of origin of goods.
- 'Lb' shall be co-efficient for labour component in the ex-works component of the Contract Price.

'L' shall be labour index.

For the indices, Subscript 'o' refers to indices as on 30 days prior to date of submission of Price Bids.

Subscript '1' refers to indices as of:

- (a) three months (for labour indices) prior to the date of shipment/despatch and
- (b) at the expiry of two third (2/3) period from the date of Notification of Award to the date of shipment/despatch, for material.

For the purpose of this clause the date of shipment/despatch shall mean the Schedule date of shipment/despatch or actual date of shipment/despatch, whichever is earlier. The schedule date of shipment/despatch shall be as identified in line with provisions of Time Schedule, Appendix-4 to the Contract Agreement.

In case of shipments/despaches which are delayed beyond the schedule date of shipment/despatch for reasons attributable to the Contractor the price adjustment provision shall not be applicable for the period of time between the schedule date of shipment/despatch and the actual date of shipment/despatch. For this purpose, the schedule date of shipment/despatch shall be as given above.

(i) Installation Price Component of the Contract (excluding Civil Works) :

It is understood that the price component for any erection work comprises a fixed portion and a variable portion linked with the index of labour (description and coefficients as enumerated).

The monthly price adjustment amount for the installation component of the Contract Price will be computed in Indian currency (INR) if any, related to expatriate supervision/labour as per the formula given below :

(a) Installation Price (Indian Rupee):

$$ER = ER_1 - ER_0$$

ER_1 will be computed as follows :

$$ER_1 = ER_0 \{0.15 + (0.5 \times L_b \times L_1 / L_0 + 0.5 \times L_b \times W_1 / W_0)\}$$

Where :

ER = Adjustment to Installation Price component of contract price expressed in Indian Rupees payable to the Contractor for each billing.

ER_1 = Adjusted amount of Installation Price component of Contract Price expressed in Indian Rupees payable to the Contractor for each billing.

ER_0 = Value of the Installation work done in the billing period, which shall be calculated as under :

For the purpose of computing ER_0 , each installation bill (which is excluding Initial Advance and amount payable on successful completion of Performance & Guarantee test) during the

Installation period upto the 'Completion of the Facilities' shall be divided by a factor as indicated below:

Installation component of the Contract Price	- [Initial Advance amount + Installation component of the Contract Price payable on successful completion of Performance & Guarantee Tests]
--	---

Installation component of the Contract Price

The payment of price adjustment amount so computed (refer Sr. No. D, Appendix-1) shall be made against a separate invoice, linking the corresponding invoice for Installation payment after retaining the pro-rata amount due on Completion of the Performance & Guarantee Tests. The amounts so retained shall be paid progressively on successful completion of Performance & Guarantee Tests.

Lb = Coefficient of labour (for all categories) content in the Indian Rupee Portion of the Installation Services = 0.85

L = Indian field labour index Namely, All India Consumer Price Index for Industrial Workers (All India Monthly Average) as published by Labour Bureau., Simla, Government of India.

W = Arithmetical average of Minimum Wages for Unskilled, Skilled, Semi-skilled and Highly skilled workers notified by the Central Government for the particular classified Area in which the project site is located or notified by the State Government of the state in which the project site is located, whichever is higher

Subscript 'o' refers to indices / minimum wages as on 30 days prior to deadline set for submission of the Price bids.

Subscript '1' refers to the indices / minimum wages as applicable for the month of execution of the erection work.

In case there is a revision in the applicable minimum wages during a month, calculation of 'W₁' would take into consideration the weighted average of the applicable wages (wage before revision and wage after revision) and the number of days of applicability of such wages in the month.

(ix) Price adjustment for civil works component of the Contract Price (including construction materials)

The prices quoted by the bidder shall be base price, which will be subjected to price adjustment in accordance with the conditions and formula prescribed herein and further subject to satisfying the requirement specified in this clause.

A fixed percentage of the civil works component of the contract price shall be firm and shall not be subject to any price adjustment. The balance portion of the civil works component of the contract price shall be subject to price adjustment on account of changes in materials and labour as detailed below :

$$CV = CV1 - CVo$$

CV1 will be computed as follows :

$$CV1 = CVo \left(F + m \times \frac{M1}{Mo} + d \times \frac{D1}{Do} + s \times \frac{S1}{So} + c \times \frac{C1}{Co} + 0.5 \times Lb \times \frac{L1}{Lo} + \frac{0.5 \times Lb \times W1}{Wo} \right)$$

Where,

CV = Adjustment to civil works component of contract price expressed in Indian Rupees payable to the contractor for each billing period.

CV1 = Adjusted contract price i.e. value of work done after application of above price adjustment formula in the billing period.

CVo = Base contract price, subject to price adjustment, i.e. the value of the work done in the billing period as per the monthly billing schedule for which the price adjustment is to be calculated.

F = Fixed portion of the contract price which will not be subjected to any adjustment under this formula or otherwise which will be 0.20.

m = Coefficient of material (excluding cement & steel) content in the cost of civil portion of the work which will be 0.23.

d = Coefficient of High Speed Diesel Oil (P.O.L) content in the cost of civil portion of the work which will be 0.02.

s = Coefficient of Ferrous Metals content in the cost of civil portion of work which will be 0.30.

c = Coefficient of cement content in the cost of civil portion of work which will be 0.10.

Lb = Coefficient of labour (for all categories) content in the cost of civil portion

of the work which will be 0.15.

- M = Material Index, namely, Index No. of wholesale price under group "All Commodities" as published by office of the Economic Adviser, Government of India/RBI.
- D = Price for High Speed Diesel per litre at the pump station of Indian Oil Corpn. Nearest to project Site (Selling price inclusive of taxes & duties).
- S = Index for Ferrous Metals as published by office of the Economic Adviser GOI under the group of Basic Materials, Alloys & Metal products.
- L = Labour Index, namely, Consumer Price Index for Industrial Workers (Gen.) applicable to "All India" as published by Labour Bureau. Shimla of the Govt. of India.
- W = Arithmetical average of Minimum Wages for Unskilled, Skilled, Semi-skilled and Highly skilled workers notified by the Central Government for the particular classified Area in which the project site is located or notified by the State Government of the state in which the project site is located, whichever is higher.
- C = Index for Cement as published by office of the Economic Adviser for subgroup Cement & Lime under the group of non-metallic mineral products.

Subscript

- 'o' = Refers, to the values of above mentioned minimum wages, labour / material/steel/cement indices, or diesel price as on 7 days prior to deadline set for submission of the Price bids.
- '1' = Refers to values of corresponding minimum wages, labour / material/steel/cement indices, or diesel price as applicable for the month prior to month in which the work is executed.

In case there is a revision in the applicable minimum wages during a month, calculation of 'W1' would take into consideration the weighted average of the applicable wages (wage before revision and wage after revision) and the number of days of applicability of such wages in the month.

For the purpose of this clause, month of execution of civil work shall mean the schedule month of execution of Civil work or actual month of execution of Civil Work, whichever is earlier. The schedule date for completion shall be as identified in line with provisions of Time Schedule, Appendix-4 to the Contract Agreement.

For the purpose of computing CVo, each Civil Works bill (which is excluding initial Advance and amount payable on completion of Performance and Guarantee test) during the Civil Works period upto the 'Completion of the Facilities' shall be divided by a factor as indicated below:

Civil Works Component of - {Initial Advance + Civil Works Component
The contract price of the contract price payable after successful
completion of Performance and Guarantee Test}

Civil Works Component of the Contract Price

The payment of price adjustment amount so computed (refer S.No. E, Appendix-1) shall be made against a separate invoice, linking the corresponding invoice for Installation payment after retaining the pro-rata amount due on successful completion of the Performance & Guarantee Tests. The amount so retained shall be paid progressively on successful completion of the Performance & Guarantee Tests.

In case of Civil Works activities which are delayed beyond the schedule date for reasons attributable to the contractor, the price adjustment provision shall not be applicable for the period of time between the schedule date of completion and actual date of completion of the respective Civil Work activity. For this purpose, the schedule date for completion of a particular Civil Work activity shall be as identified in line with provisions of Time Schedule, Appendix-4 to the Contract Agreement.

In case there is a revision in the applicable minimum wages during a month, calculation of "W1" would take into consideration the weighted average of the applicable wages (wage before revision and wage after revision) and the number of days of applicability of such wages in the month.

For the purpose of this clause, month of execution of civil work shall mean the schedule month of execution of Civil work or actual month of execution of Civil work, whichever is earlier. The schedule date for completion shall be as identified in line with provisions of Time Schedule, Appendix-4 to the Contract Agreement.

The bidder shall indicate below the base date of indices for labour, material, high speed diesel, cement and steel in its bid.

(x) Structural Works Price Component

It is understood that the Structural Works Price Component comprises a fixed portion (designated as 'F' and the value of which is specified hereunder) and variable portion linked with the indices for various materials and variable portion linked with the indices for various materials and labour (description and coefficients as enumerated below).

The amount of price adjustment towards variable portion payable/recoverable shall be computed as follows :

$$ESW = ESW1 - ESWo$$

ESW1 will be computed as follows:

$$ESW1 = ESWo \left\{ Fs+a \times \frac{A1}{Ao} + b \times \frac{B1}{Bo} + c \times \frac{C1}{Co} + d \times \frac{D1}{Do} \right.$$

$$\left. + 0.5 \times Lb \times \frac{L1}{Lo} + 0.5 \times Lb \times \frac{W1}{Wo} \right\}$$

Where,

ESW = Adjustment to Structural Works Price Component expressed in the currency of the Contract.

ESW1 = Adjusted amount of Structural Works Price Component expressed in the currency of the Contract.

For the purpose of computing ESWo, each structural bill (which is excluding initial advance and amount payable on completion of Guarantee test) during the structural period upto the completion of the facilities' shall be divided by a factor as indicated below :

Structural Component of the contract price	-	{Initial Advance amount + structural component of the contract price payable after successful completion of Guarantee Test}
--	---	---

Structural Component of the Contract Price

- The fixed portion of the Structural Works Price Component shall be 0.20.
- a, b, c & d shall be co-efficient of major materials/items involved in the Structural Works Price Component of the Contract Price.
- A, B, C, D shall be published price indices of corresponding major material/items.
- "Lb" shall be co-efficient for labour component for Structural Works Price Component of Contract Price which shall be 0.15.
- L shall be Labour Index, namely, Consumer Price Index for Industrial Workers (Gen.) applicable to "All India" as published by Labour Bureau. Shimla of the Govt. of India.

- W shall be Arithmetical average of Minimum Wages for Unskilled, Skilled, Semi-skilled and Highly skilled workers notified by the Central Government for the particular classified Area in which the project site is located or notified by the State Government of the state in which the project site is located, whichever is higher.

Subscript '0' refers to indices/minimum wages as on 7 days prior to deadline set for submission of the Price bids.

Subscript '1' refers to the indices/minimum wages as applicable for one month prior to the month of execution of the structural work except "Structural Steel". For structural steel the index, '1' refers to the indices as applicable for 90 days prior to the month of execution of the structural work. For the purpose of this clause, month of execution of structural work shall mean the schedule month of execution of the structural work or actual month of execution of structural work, whichever is earlier. The schedule date for completion shall be as identified in line with provisions of Time Schedule, Appendix-4 to the Contract Agreement.

In case there is a revision in the applicable minimum wages during a month, calculation of 'W1' would take into consideration the weighted average of the applicable wages (wage before revision and wage after revision) and the number of days of applicability of such wages in the month.

For the purpose of this clause, month of execution of structural work shall mean the schedule month of execution of the structural work or actual month of execution of structural Work, whichever is earlier. The schedule date for completion shall be as identified in line with provisions of Time Schedule, Appendix-4 to the Contract Agreement.

In case of Structural Works activities which are delayed beyond the schedule date for reasons attributable to the contractor, the price adjustment provision shall not be applicable for the period of time between the schedule date of completion and actual date of completion of the respective Structural activity. For this purpose, the schedule date for completion of a particular Structural activity shall be as given above.

(xi) The following components of the contract price shall not be subject to price adjustment and shall remain firm during the execution of the contract:

- (1) Inland Transportation charges (including Inland Transit Insurance) for plant & equipment and Spare Parts.
- (2) Type Test Charges (if any)
- (3) Training Charges (if any)

(4) Annual Maintenance Contract (AMC) Charges (if any).

(xii) The value of co-efficients and the source of applicable Indices and their base values for the purpose of computing price adjustment under the Contract shall be as under:

A. Ex-works Price component of Plant and Equipments including spares, but excluding Type Tests Charges*

Sl. No.	Item	Value of Co-efficient	Name of Published index and its origin	Value of Indices as on 30 days prior to date of submission of Stage-II(Price) Bid
Material				
1.	*	a =	.....	.....
2.	*	b =	.....	.....
3.	*	c =	.....	.....
	Labour	l =	.....	.....
	Fixed Component	F = 0.20	.....	.....

*** To be specified by the bidder.**

- i) Sum of all material coefficients a+b+c indicated above shall be between 0.50 to 0.60.
- ii) The labour coefficient "l" shall be between 0.20 to 0.30.
- iii) Sum of all material coefficients and labour coefficients shall be 0.80.
- iv) Sum of F, a,b,c& l should be equal to 1.0.

B. Installation Price Component *

Sl. No.	Item	Value of Co-efficient	Name of Published Index and its origin	Value of Indices as on 30 days prior to date of submission of Stage-II (Price) Bid.
1.	Fixed Portion	F = 0.15	-----	-----
2.	Indian Field Labour (F) :	0.85	All India Consumer Price Index for Industrial workers (All Indian average)	-----

published by Labour Bureau,
Shimla, Govt. of India.

Labour (W):

Arithmetical average of -----
Minimum Wages for
Unskilled, Skilled, Semi-
Skilled and highly skilled
Workers notified by the
Central Government for the
particular classified Area in
which the project site is
located or notified by the
State Government of the
state in which the project
site is located, whichever is
higher.

C. Civil Works Price Component*

Sl. No.	Item	Value of Co-efficient	Name of Published index and its origin	Value of Indices as on seven (7) days prior to date of submission of bids of Stage-II (Price) Bid
Material				
1.	Cement	c = 0.10	Office of Economic Advisor of India (Pozzolona Cement index)	.....
2.	Ferrous Metals	s = 0.30	Office of Economic Advisor of India (MS Wire Rods Index)	.....
3.	All Commodities	m = 0.23	Office of Economic Advisor of India	.....
4.	High Speed Diesel	d = 0.02	Price of High Speed Diesel Per litre at the pump station of Indian Oil Corpn. nearest to project Site (Selling price inclusive of taxes & duties)	.....
5.	Labour	Lb = 0.15	Consumer Price Index Number for Industrial Workers (All India Average) as published by Labour Bureau, Shimla/RBI	.....

Labour (W):

Arithmetical average of -----
Minimum Wages for

Unskilled, Skilled, Semi-Skilled and highly skilled Workers notified by the Central Government for the particular classified Area in which the project site is located or notified by the State Government of the state in which the project site is located, whichever is higher.

6. Fixed Component F = 0.20

D Structural Works Price Component*

Sl. No.	Item	Value of Co-efficient	Name of Published index and its origin	Value of Indices as on seven (7) days prior to date of submission of bids of Stage-II (Price) Bid
---------	------	-----------------------	--	---

Material :

1.	Hot Rolled Coils & Sheets (A)	a=0.50	Index for "Hot Rolled (HR) Coils & Sheets, including Narrow Strip" under sub-group of "Mild Steel -Flat Products" under Group of "Manufacture of Basic Metals" as published by Ministry of Commerce and Industry, GOI
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2.	Manufacture of fabricated Metal Products-Structural Metal Product (B)	b=0.15	Index for "Manufacture of structural metal products" under Group of "Manufacture of Fabricated metal products, except Machinery and Equipment" as published by Ministry of Commerce and Industry, GOI
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3.	Labour (L)	Lb = 0.15	Consumer Price Index Number for Industrial Workers (All India Average) as published by Labour Bureau, Shimla/RBI
----	------------	-----------	--

	Labour(W)		Arithmetical average of Minimum Wages for Unskilled, Skilled, Semi-skilled and Highly skilled workers notified by the Central Government for the particular classified Area in
--	-----------	--	--

which the project site is
located or notified by the State
Government of the state in
which the project site is
located, whichever is higher

Fixed Component : $F_s = 0.20$

* The above information shall be filled in at the time of Contract Agreement signing based on price adjustment data offered by the successful bidder in **Attachment-16** to Bid Form of Techno-Commercial Bid.

Note: There shall be **NO CEILING ON PRICE ADJUSTMENT** Provisions in this Appendix-2.

FAX NO. :

16 Jul. 2021 11:11 P 1

दक्षिण मध्य रेलवे
SOUTH CENTRAL RAILWAY

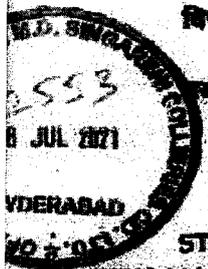


मंडल रेल प्रबंधक कार्यालय
Office of the Divl. Rly. Manager
सिफंदराबाद मंडल / Secunderabad Division संचालन भवन/Sanchalan Bhavan
सिफंदराबाद / SECUNDERABAD-500 025
R:Rly 86199, DOT:960-2730449

संख्या/No. सी. C/T/143/STPP MCI/18

दिनांक/Date: 15.07.2021

The Chairman and Managing Director
Singareni Collieries Company Limited
Singareni Bhavan, Red Hills,
Khairatabad, Lakdikapool,
Hyderabad - 500004



विषय/Sub: Electrification of Singareni Thermal Power Plant (STPP) siding
of M/s. SCCL taking off from Manchiryal Station.

- संदर्भ/Ref: 1. DPR of STPP Siding of M/s SCCL submitted in the month of July, 2018.
- 2. Sr.DOM/SC Lx.No.C/T/143/STPP MCI/18 dated 14.07.2021 addressed to Executive Director (Coal Movement), SCCL, Hyderabad.

STPP Siding of M/s SCCL is taking off from Manchiryal Station which is located on the HDN 'A' trunk route in Belharshah - Kazipet Section of Secunderabad Division. STPP Siding was commissioned in the month of August 2018 with Diesel Traction, as OHE works were not taken up at that time but it was assured that the electrification of this Siding will be done shortly. As per the DPR submitted vide Reference (1), it was mentioned that the electrified traction will be utilised in the siding for handling of rakes (11th chapter of DPR submitted by RHEB; Consultants appointed by M/s SCCL).

Though the Siding is in operation for the last three (3) years, the work of electrification of the siding is yet to be started. The section is a completely electrified section and as per Railway Board policy all the new sidings in the electrified section are to be commissioned with electrification. In the electrified section, the availability of diesel power and trained crew is also difficult and this is causing impediments to regular train operation. To cater to the requirement of STPP Siding, we are compelled to maintain two Diesel Multiple Units which is unviable due to less availability of diesel loco and trained crew. Presently, 1000-1500 rakes are being handled per day in STPP Siding, for which frequent movement of loco and crew is required. As already elaborated, keeping separate diesel loco is now becoming difficult at Manchiryal Station and it is essential to electrify STPP Siding on priority to cater to the requirement of rolling stock crew and to improve wagon turn-round and mobility of train.

It is requested that electrification work of STPP Siding from CGC to STPP (approx. 1.5 Kms. distance) may be taken up and completed at the earliest as per the Railway Board policy for efficient train operations in the Siding.

Thanking you.

Rail/Slc
16/7/21

Filing
18/7/21

F & A S PP, Jaipur.	
IW-No.	4
Date	01/11/21

O/o. GM (S&M) S. PP	
I.W.No.	2877
Date	30/10/21

ACM (S&M) / D. G. K. V. / 02.04.21
 30/10/21 / 41
 30/10/21

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU) made on this day of **27th October, in the year Two thousand Twenty One (2021)** at the office of Sr.DOM, SCR, Secunderabad, entered

BETWEEN

THE SINGARENI COLLIERIES COMPANY LTD, a Government Company within the meaning of the Companies Act 1956 and having its Registered Office at Kothagudem, Bhadrachalam Road Rly. Station, Bhadradi Kothagudem Dist, Telangana State, PIN: 507 101 hereinafter referred to as "**M/s SCCL**" and includes its successors and permitted assignees.

AND

SOUTH CENTRAL RAILWAYS, one of the Zonal Railway under the Ministry of Railways, (Government of India) having its headquarters at Rail Nilayam, Secunderabad hereinafter referred as **SCRLY** (and includes its successor Railways).

M/s SCCL and SCRLY, Secunderabad may be referred to individually as "Party" and collectively as "Parties".

1.0. Preamble:

- 1.1. M/s SCCL is a company jointly owned by the Government of Telangana and Government of India with expertise in the fields of Coal mining and leading producer & supplier of Coal to various sectors and now diversifying into Power generation.
- 1.2. SCRLY is a Railway Zone under the Ministry of Railways, Government of India engaged in transportation services.

2.0. Understanding between both Parties:

Now therefore, the Parties hereby have reached the understanding as follows:

- 2.1. At the request of SCCL for executing Overhead Electrification work pertaining to STPP siding (STPP lead line and connected sidings) on depositary terms, SCRLY has agreed for the same. Accordingly, both parties have decided to enter into MOU for taking up **Over head electrification (OHE) work for the existing STPP siding (STPP lead line and connected sidings)** for facilitating evacuation of coal from SRP & RKP group of mines to STPP of M/s SCCL in Mancheril Dist., T.S. (herein after called as Project).
- 2.2. The work shall be executed as per the para 1843 to 1853 Of Indian Railway Engineering code.
- 2.3 All the efforts shall be made to complete the work in a reasonable time limit.
- 2.4 After commissioning, maintenance of OHE cost shall be borne by the siding owner in accordance with Railway guidelines (FM Circular No.6 of 2020). Railway will carry out necessary inspection of maintenance work once in six months.

S. B. (1)

3.0. Consent by SCRLY.

- 3.1. DRM/SC on behalf of SCRLY has accepted for taking up Over head electrification (OHE) works pertaining to STPP Siding from SRP CHP yard to STPP. As per the estimate forwarded by Sr. DOM /SCR, vide his Lr. No. C/T/143/STPP-MCI/2018, Dt:07.08.2021, the estimated cost of the project is **Rs.23,82,47,193/-** including applicable deposit work charges and GST.
- 3.2. The estimate prepared for the said work includes expenses of all types required for taking up the work. All taxes, Cesses and such other statutory levies shall be an integral part of the work.

4.0. Financing and Accounting:

- 4.1. M/s SCCL accepts to pay a sum of **Rs.23,82,47,193/-** towards the cost of project. However, any escalation necessitated and proposed by SCRLY at later stage of the project shall be borne by **M/s SCCL**. If any amount is left unspent after the work is completed the same shall be refunded to M/s.SCCL after the final reconciliation.
- 4.2. S.C.RLY (Sr.DEE/TRD/SC) shall undertake Over head electrification as per Railway norms / tender procedure and as per the provisions entailed in estimate.

5.0. Dispute resolution:

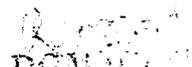
- 5.1 Any dispute arising as part of this MOU shall be settled through discussion between the parties.
- 5.2. The SCRLY, Secunderabad and the M/s. SCCL can collectively make any amendments to the MOU as deemed necessary.

The Memorandum of Understanding has been signed between the Singareni Collieries Company Limited, represented by GM (E&M): STPP, SCCL and the SCRLY represented by SrDOM, SCR on this 27th day of October, 2021 in the presence of


Divisional Railway Manager(Optg.)
South Central Railway,
Secunderabad


Executive Director (Coal Movement)
SCCL

Signature of Witness: 1)


 DGM
 VC STPP

2)

43



The Singareni Collieries Company Limited
(A Government Company)
2x600 MW Singareni Thermal Power Plant,
Jaipur (V&M), Pin: 504216, Mancherial District, TS

F & A STPP, Jaipur.	
IW-No.	469
Date	30/10/21

Ref: STPP/CVL/255/814

Date: 30.10.2021

AGM (F&A): STPP

Sub.: Providing Overhead electrification (OHE) to STPP lead line and connected sidings on deposit terms through SCR- Deposit of DD – Reg.

DD bearing No. 950417 Dt.14.10.2021 in favour of Senior Divisional Finance Manager, Secunderabad Division, South Central Railway for Rs.23,82,47,193.00 Ps. (Rupees Twenty Three Crores Eighty Two Lakhs Forty Seven Thousand One Hundred and Ninety Three only) towards deposit for execution of Overhead Electrification works to STPP siding has been handed-over and copy of acknowledgement obtained is enclosed. Further, a copy of MOU entered with SCR is also enclosed for record please.

AGM
29/10/21
DGM (Civil)
I/c: STPP (Civil)

Encl: Copy of acknowledgement cited & MOU.

CC to: ED (CM): HYD/ CTC: STPP } Scan copies of acknowledgement & MoU
GM (Civil) /GM (E&M): STPP } sent in e-mail please.

Box
14
30/10

248

Acknowledgement

Received DD bearing No.950417 Dt.14.10.2021 payable at Secunderabad, Hyderabad drawn in favour of Senior Divisional Finance Manager, Secunderabad Division, South Central Railway for Rs. 23,82,47,193.00 Ps. (Rupees Twenty Three Crores Eighty Two Lakhs Forty Seven Thousand One Hundred and Ninety Three only) towards deposit by The Singareni Collieries Company Limited for "*Providing Overhead Electrification works to STPP siding (lead line and connected sidings) to facilitate evacuation of coal from SRP & RKP group of mines to STPP, Jaipur (V&M), Mancherial District, Telangana State*"

K. M. S. Rao
27/10

The Sr. Divisional Operations Manager
South Central Railways, Secunderabad
Hyderabad – 500 025
Dated: 27.10.2021

45



THE SINGARENI COLLIERIES COMPANY LIMITED
(A GOVERNMENT COMPANY)

PAYMENT VOUCHER

Paid to
Senior Divisional Finance Manager
Off of Divisional Railway Manager,
Commercial Branch, 1st floor,
Sanchalan Bhavan,
Secunderabad 500003

Document No.	22057735
Document Dt.	14.10.2021
Party Code	2000027707
Bank GL A/C No.	1131802
Cheque No	
Cheque Dt.	

Payment Towards
OVERHEAD ELECTRIFIVATION CHARGES
FY21-22/STP

GL Account	Profit Centre	Pur. Order No. & Date	Invoice No. & date	Ref Doc No. & Date	Debit (Rs.)	Credit (Rs.)
4436341					2,000.00	0.00
2282679	9100			22057735 14.10.2021	238,247,193.00	0.00
TOTALS					238,249,193.00	0.00
Net Amount					238,249,193.00	

Rs/- TWENTY THREE CRORE EIGHTY TWO LAKH FORTY NINE THOUSAND ONE HUNDRED NINETY THREE Rupees only

4436341-Bank Charges, 2282679-CapitalAdv to FI Ven,

Prepared By: *[Signature]* AF_STP_SOBL

RECIPIENT

INTERNAL AUDIT AAO/AO

[Signature]
Sr. AO/DY. FM
14/10/2021

FM/DY.GM

IW-No.	105
Date	07/10/21

46



The Singareni Collieries Company Limited
(A Government Company)
2 x 600 MW Singareni Thermal Power Plant
Jaipur (V&M), Pin: 504 216, Mancherial District, TS

Ref: STPP/CVL/255/744

Date: 7.10.2021

AGM (F&A): STPP

Sub: Providing Overhead electrification (OHE) to STPP siding (STCM) on depository terms through SCR- Reg.

- Ref.:** 1. Railways Lr. No. C/T/143/STPP-MCI/2018 Dt.07.08.2021
2. Note No. STPP/CVL/A/255/156/151 Dt.13.09.2019/01.09.2021
3. Lr. No. CRP/CS/54/518 Dt.06.10.2021 (Board Minute No.558:5:15, Dt.25.09.2021)

Vide reference No. 1 cited, SCR have forwarded estimate for the execution of Overhead electrification to STPP lead line and sidings connected on deposit terms for an amount of Rs.23,82,47,193/-. Vide Note cited at Ref. No.2 and letter cited at Ref. No.3, competent authority has accorded approval for taking up Overhead electrification work on deposit terms through SCR at an estimated cost of Rs.23,82,47,193/-. GM (I&PM) has provided requisite funds of Rs.23.83 Crore in FY 2021-22 and Rs.3.17 Crore in FY 2022-23.

Hence, it is advised to arrange for Cheque/DD for an amount of Rs: 23,82,47,193/- in favour of "Senior Divisional Finance Manager, Secunderabad Division, South Central Railway" for handing over the same to SCR to take up subject work through SCR.


CTC: STPP

Encl: Copy of Note and letters cited

CC to: ED (CM): HYD
GM (Civil)/GM (E&M): STPP

STPP (U) m u-a
2/10/21
Raj
2/10/21





Ref No: CRP / CS / 54 / 518

Date:06.10.2021.

GM (Civil)

The extract of Minute No.558:5:15 of Board of Directors meeting held on 25.09.2021 at Hyderabad is furnished below:

Sub: Provision of funds in Annual Plan RE 2021-22 & In BE 2022-23 for Providing Over Head Electrification (OHE) to STPP Siding (STCM) on depositary terms through SCR.

- 5:15.1 The Board considered the note placed before it.
- 5:15.2 Director (Operations) explained that the proposal is for providing funds in Annual Plan RE 2021-22 & in BE 2022-23 for taking up Over Head Electrification (OHE) to STPP Siding (STCM) on depositary terms through SCR. Private Railway siding from SRP CHP to STPP (STCM) for transportation of coal in Rail mode was commissioned on 01.08.2018 and is under use with diesel traction. Straight length of siding from SRP CHP to STPP is about 17.20 KMs and total track length including yard lines is 41.00 KMs. As per the DPR approved by SCR, OHE and S&T (Signaling & Telecommunications) are to be provided to the siding but the same could not be done so far due to paucity of funds, he added.
- 5:15.3 Director (Operations) informed that Railway authorities are regularly following up for completing OHE and S&T at the earliest stating that though the siding is in operation for the last three years the work of electrification of siding is yet to be started. The section is a completely electrified section and as per Railway Board policy all the new sidings in the electrified section are to be commissioned with electrification and this is causing impediments to regular train operations as the availability of Diesel Powers and trained crew is also difficult in the electrified section, he added.
- 5:15.4 Director (Operations) explained that in view of the requests received from SCR Authorities, continuing with diesel traction by Railways is difficult and providing OHE to STPP siding is essential for supply of coal to STPP & evacuate of fly ash from STPP in rail mode. CCDAC has sanctioned 70% financial assistance limiting to Rs.196 Crore for STPP Siding in which Rs.164.23 cr. was approved by CCDAC against our claims and amounts are being released by withholding 10%

Contd..2

kg

48



The Singareni Collieries Company Limited
(A Government Company)
Kothagudem Collieries-507 101,
Bhadradri Kothagudem Dist., Telangana
CIN : U10102TG1920SGC000571 Website: scclmines.com

Phone No: 08744-242873
Fax No.08744-242393
cosecy@scclmines.com

Ref No: CRP/CS/54/518

Date:06.10.2021.

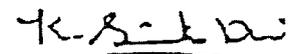
-2-

amount on the admitted claims & further amounts are yet to be released. For claiming/ obtaining the total assistance including release of withhold amounts, completion of OHE and S&T which were included in the approved DPR is essential. Railways has communicated their consent to execute OHE on depositary terms at a cost of Rs.23,82,47,193/- including provision for probable escalation the approximate cost for execution of OHE would be Rs.27 Crore, he added. On taking up the work, the cost will be paid back in 3 years as there will be a saving of Rs.7 Crore per annum in Operations by way of shunting charges being incurred at SRP CHP/ SRP OC CHP loading points & retention charges at STPP unloading point and considering about Rs.10 Crore that will be received from CCDAC, he added.

5:15.5 After deliberation, The Board accorded approval for,

- a. providing funds of Rs.27.00 Crore. in Annual plan 2021-22 (Rs.23.83 Crore) & in BE 2022-23 (Rs.3.17 Crore.) for taking up "Over Head Electrification (OHE) from SRP CHP siding to STPP Siding (STCM)".
- b. taking up OHE work through SCR on depositary terms.
- c. authorizing C&MD for according approval for additional funds up to Rs.3 Crore, if required, over and above Rs.27 Crore making a total sanction of maximum up to Rs.30.00 Crore.
- d. authorizing Director (Operations) for making interim payments & escalation if any, after receiving claims from SCR.

Action taken / status of implementation on each point of the above minute may be intimated to the undersigned at the earliest as per the guidelines issued by the C&MD vide circular No.CRP/CS/58/200 dt.22.3.2002 for apprising the same to the Board in the next meeting.


Company Secretary

Copy to:
GM (F&A)



THE SINGARENI COLLIERIES COMPANY LIMITED
(A Government Company)

49

Cont. note to STPP/CVL/A/255/156/51/
Dt: 16.11.2019/13.08.2021.

Dt: 14.09.2021.

N-30

- 117. Please peruse pre pages.
- 118. As approved at pre-pages the proposal for taking up over Head Electrification (OHE) for STPP siding (STCM) on depositary terms through SCR and to provide funds of Rs. 27 Cr. immediately to expedite the work and to include AP 2021-22 (Rs.23.83 Cr) & 2022-23 (Rs.3.17 Cr.), since required funds are not available for the above project, the proposal is submitted for approval of Board in its ensuing meeting for approval & ratification.
- 119. Draft Board Agenda placed on file for perusal.

Submitted please.

Chyml
GM (Civil)

K. S. K. D.
Company Secretary

M. V. S.
Director (Operations)

R. S. S. S.
Placed before the Board of
Directors in the Meeting held on
26/09/21 at Hyderabad

120) AR: 6071818 (Board Minute No: 558:5:15)
WBS: P-01-65-04-01
Fund: FY 2021-22 : Rs 23.83 crore
FY 2022-23: Rs. 3.17 crore
Rs. 27.00 crore

V. K. S.
GM (IB/PM)

20/9/21

G.M. (CIVIL)
04 09 2021
INWARD No.



South Central Rai
Office of the Sr.DEE/Trl
Sanchalan Bhavan, Secunder

50

No. C/E-61/TRD/46/2021-22

Dt. 06-08-2021

Sr.DOM/SC

Sub:-SC Division-Provision of OHE arrangements for proposed private siding for
M/s SCC .Ltd taking off from MCI/CHP Yard of RKP-II Siding
Ref:- Your office Lr No.C/T/143/STPP-MCI/2018 dated 30-07-2021.

The subject work above is sent for our office for preparation of detailed estimate for further preparing the consolidated detailed estimate.

In this connection, detailed estimate for Electrical-TRD portion is prepared at approximate cost of Rs. 23,82,47,193/- and sent herewith.

Therefore it is requested to kindly include the estimate in your consolidated detailed estimate.

Encl: Detailed Estimate


Sr.DEE/Trl/SC

SOUTH CENTRAL RAILWAY

93/

(51)

7/1/143/STPP-MCI/2018

Office of the
DRM/T/SC
Dt: 07.08.2021

EXECUTIVE DIRECTOR-(Coal Movement)
The Singareni Collieries Company Limited
Post Box No-18, Red Hills, Khairatabad .P.O
Hyderabad- 500004.

Sub. Cost estimates for electrification of STPP/MCI siding on depository
terms - reg.

Ref: Sr.DEE/Trd/SC's letter No. C/E-61/TRD/46/2021-22 dated 06.08.21

With reference to the subject and reference cited above, detailed estimates are prepared for execution of OHE works pertaining to STPP lead line and sidings connected on deposit terms for an amount of Rs. 23,82,47,193/-.

Hence, it is requested to deposit an amount of Rs. 23,82,47,193/- to the "Senior Divisional Finance Manager, Secunderabad Division, South Central Railway" so as to execute the OHE works by railways on deposit terms.

Encl: Copy of detailed estimates

N. Manoj
N.MANOJ
Sr.DOM/SC

Copy to ADRM/O/SC for kind information please

EXECUTIVE DIRECTOR (C.M.)
72 AUG 2021

Jen/A
[Signature]

Description of Work : Provision of OHE arrangements for proposed private siding for M/s.SOCL Ltd., taking off from MCI/CHP Yard of RKP-II siding

Reference : As per the discussions held with DRM/SC on 02.08.2021

Sl. No.	Item No.	Description	Unit	App. Qty.			Rate in Rs.			Total Price in Rs.				Rate Reference
				Stock	Purchase	Labour/Erection	Stock	Purchase	Labour/Erection	Stock	Purchase	Labour/Erection	Total	
SW-I	Provision of OHE													
Schedule A. SQR Items:														
1	1(a)	Preparation of Designs and drawings for OHE.	Tkm	0	0	42	0	0	3242	0	0	136164	136164	
2	2(a)(i)	Concrete for foundations and plinth in hard soil	cu.m	0	430	430	0	1281	357	550830	153510	704340		
3	2(b)	Concrete for foundations and plinth in other than hard soil and rock (including foundation for AT/BT masts)	Cu. M	0	4000	4000	0	1258	270	5032000	1030000	6112000		
4	3(a)	Erection of Traction masts and Main masts of Switching stations and LT supply Transformer station.	M/T	0	0	400	0	0	457	0	182800	182800		
5	3(b)	Erection of fabricated steel work such as TTC, portals etc.	M/T	0	0	225	0	0	2313	0	289125	289125		
6	3(c)	Erection of Fabricated Small Part Steel work other than mast, TTC's, Portals, etc.	M/T	0	0	105	0	0	2313	0	242865	242865		
7	3(e)	Supply and erection of Guy rod assembly.	Each	0	80	80	0	1951	226	156080	18080	174160		
8	4(a)(i)	Supply without Insulator and Erection of Single bracket assembly for conventional OHE.	Each	0	1300	1300	0	2766	198	3595800	257400	3853200		
9	4(a)(e)	Extra on 4(a)(i) for supporting of two OHEs	Each	0	60	60	0	728	59	43680	3540	47220		
10	6(a)	Erection of regulated conventional OHE	TKM	0	42	42	0	9004	6505	378168	273210	651378		
11	6(a)(v)	Supply and erection of regulating equipment (3 pulley type) with counter weight assembly for conventional OHE.	Each	0	40	40	0	15068	850	602720	24000	636720		
12	6(a)(xii)	Marking of 'Y' - Measurement at BWA locations.	Each	0	0	40	0	0	37	0	1480	1480		
13	8(b)(ii)	Supply without Insulator and erection of material for termination of Double Overhead equipment or terminating wire.	Each	0	36	36	0	1681	224	60516	8064	68580		
14	9(a)	Supply without Insulator and erection of anti creep with galvanised steel wire for conventional OHE	Each	0	12	12	0	5284	630	63408	7560	70968		
15	10(a)	Extra on Item 6(a) for supply and erection of additional fittings required at a turnout, diamond crossing or overlap	Each	0	60	60	0	945	259	56700	15540	72240		
16	11(b)	Supply of material with out insulator and erection of 25 KV Post Insulators.	Each	0	40	0	10	160	54	6400	0	6400		
17	12(b)	Supply without insulator and erection of a double wire section insulator assembly	Each	0	32	32	0	10098	676	323136	21632	344768		
18	13(a)	Supply and erection of 25 kv Single Pole Isolator with out earth contact assembly (without Insulators)	Each	0	24	24	0	7955	624	190920	14976	205896		
19	15(a)	supply and erection of all type of copper jumpers	Each	0	100	100	0	801	58	80100	5800	85900		
20	16(a)	Supply and erection of structure bonds	Each	0	0	1200	0	137	63	0	75600	75600		
21	16(b)	Supply and erection of longitudinal bonds	Each	0	0	60	0	86	56	0	3360	3360		
22	16(c)	Supply and erection of transverse and special bonds	Each	0	0	60	0	166	68	0	4080	4080		

Sl. No.	Item No.	Description	Unit	App. Qty.			Rate in Rs.			Total Price in Rs.				Rate Reference
				Stock	Purchase	Labour / Erection	Stock	Purchase	Labour / Erection	Stock	Purchase	Labour / Erection	Total	
23	16(aa)	Drilling of holes.	Each	0	0	1320	0	0	20	0	0	26400	26400	
24	17(a)	Supply and erection of Earth electrode.	Each	0	0	0	0	589	240	0	0	0	0	
25	17(b)	Extra for special embedment of earth electrode.	Each	0	0	0	0	0	259	0	0	0	0	
26	17(c)	Supply and erection of earth bus.	Metre	0	0	0	0	31	17	0	0	0	0	
27	27(a)	Erection, oil filtrations, testing and commissioning of L.T Supply Transformer (25 kVA).	Each	0	2	2	0	34	1179	0	68	2358	2426	
28	28	Supply without insulator and erection of 25 kV D.O. fuse	Each	0	2	2	0	2316	115	0	4632	230	4862	
29	30(b)(III)	Supply and erection of anticlimbing device etc. for L.T. Supply transformer station.	Each	0	2	2	0	337	72	0	674	144	818	
30	31(a)	Transfer of equipment from one mast or support to other.	Each	0	0	24	0	0	564	0	0	13536	13536	
31	31(b)	Provision of additional bracket assembly /assemblies on a mast or support.	Each	0	0	0	0	0	500	0	0	0	0	
32	31(f)	Splicing and extension of Overhead conductors.	Each	0	0	4	0	0	552	0	0	2208	2208	
33	31(k)(I)	Dismantlement of OHE mast / structure by cutting.	Each	0	0	8	0	0	700	0	0	5600	5600	
34	31(l)(I)	Retrieval of traction masts, main masts, TTC uprights etc.	Each	0	0	8	0	0	2500	0	0	20000	20000	
35	31(n)	Dismantling of guy rod	Each	0	0	12	0	0	113	0	0	1356	1356	
36	31(r)	Dismantling of Cantilever assemblies including Insulators.	Each	0	0	12	0	0	99	0	0	1188	1188	
37	31(t)(II)	Dismantling of regulating equipment with counter weight assembly for Conventional OHE	Each	0	0	8	0	0	425	0	0	3400	3400	
38	31(t)(III)	Dismantling of anti creep with galv. Steel wire	Each	0	0	4	0	0	315	0	0	1260	1260	
39	31(t)(IV)	Dismantling of copper jumper	Each	0	0	8	0	0	29	0	0	232	232	
40	31(s)	Dismantling of fabricated steel & SPS	MT	0	0	1.00	0	0	113	0	0	113	113	
41	32	Extra charges for the erection work under Power Block/Traffic Block working Condition (100% Extra on erection charges)		0	0	0	0	0	457	0	0	4570	4570	
42	32/3(a)	Erection of Traction masts and Main masts of Switching stations and LT supply Transformer station.	M/T	0	0	10	0	0	2313	0	0	23130	23130	
43	32/3(b)(I)	Erection of fabricated steel work such as TTC, portals	M/T	0	0	4	0	0	2313	0	0	9252	9252	
44	32/3(b)(II)	Erection of Fabricated Small Part Steel work other than mast, TTC's, Portals, etc	M/T	0	0	4	0	0	2313	0	0	9252	9252	
45	32/3(e)	Supply and erection of Guy rod assembly.	Each	0	0	8	0	0	226	0	0	1808	1808	
46	32/4(a)(I)	Supply without insulator and Erection of Single bracket assembly for conventional OHE.	Each	0	0	24	0	0	198	0	0	4752	4752	
47	32/4(a)(II)	Extra on 4(a)(I) for supporting of two OHES	Each	0	0	8	0	0	59	0	0	472	472	
48	32/8(a)	Erection of regulated conventional OHE	TKM	0	0	3.2	0	0	6505	0	0	20816	20816	
49	32/8(a)(v)	Erection of regulating equipment (3 pulley type) with counter weight assembly for conventional OHE.	Each	0	0	8	0	0	850	0	0	6800	6800	
50	32/8(b)(II)	Erection of material for termination of Double Overhead equipment or terminating wire.	Each	0	0	8	0	0	224	0	0	1792	1792	
51	32/9(a)	Erection of anti creep with galvanised steel wire for conventional OHE	Each	0	0	2	0	0	630	0	0	1260	1260	
52	32/11(b)	Erection of 25 kV Post Insulators.	Each	0	0	0	0	0	54	0	0	0	0	
53	32/13(a)	Erection of 25 kV Single Pole Isolator with out earth contact assembly (without Insulators)	Each	0	0	2	0	0	624	0	0	1248	1248	
54	32/15(a)	Erection of all type of copper jumpers	Each	0	0	24	0	0	58	0	0	1392	1392	

53

Sl. No.	Item No.	Description	Unit	App. Qty.			Rate in Rs.			Total Price in Rs.				Rate Reference
				Stock	Purchase	Labour/Erection	Stock	Purchase	Labour/Erection	Stock	Purchase	Labour/Erection	Total	
54	32/27(a)	Erection, oil filtrations, testing and commissioning of L.T Supply Transformer (25 kVA).	Each	0	0	2	0	0	1179	0	0	2358	2358	
55	32/28	Erection of 25 kV D.O. fuse switch.	Each	0	0	2	0	0	115	0	0	230	230	
56	32/31(a)	Transfer of equipment from one mast or support to other.	Each	0	0	24	0	0	564	0	0	13536	13536	
57	32/31(b)	Provision of additional bracket assembly /assemblies on a mast or support.	Each	0	0	0	0	0	500	0	0	0	0	
58	32/31(f)	Splicing and extension of Overhead conductors.	Each	0	0	4	0	0	552	0	0	2208	2208	
59	32/31(k)(i)	Dismantlement of OHE mast / structure by cutting.	Each	0	0	8	0	0	760	0	0	5500	5600	
60	32/31(i)(i)	Retrieval of traction masts, main masts, TTC uprights	Each	0	0	8	0	0	2500	0	0	20000	20000	
61	32/31(n)	Dismantling of guy rod	Each	0	0	12	0	0	113	0	0	1356	1356	
62	32/31(r)	Dismantling of Cantilever assemblies including insulators.	Each	0	0	24	0	0	99	0	0	2376	2376	
63	32/31(t)(ii)	Dismantling of regulating equipment with counter weight assembly for Conventional OHE	Each	0	0	8	0	0	425	0	0	3400	3400	
64	32/31(t)(iii)	Dismantling of anti creep with galv. Steel wire	Each	0	0	4	0	0	315	0	0	1260	1260	
65	32/31(t)(iv)	Dismantling of copper jumper	Each	0	0	8	0	0	29	0	0	232	232	
66	32/31(s)	Dismantling of fabricated steel & SPS	MT	0	0	100	0	0	113	0	0	113	113	
66	33/3(a)	Extra on erection rate for steel work done manually under item No. 3(a)	MT	0	0	400	0	0	238	0	0	91200	91200	
67	33/3(b)	Extra on erection rate for steel work done manually under item No. 3(b)	M/T	0	0	125	0	0	1156	0	0	144500	144500	
68	33/6(a)	Extra on erection rate for stringing work done manually under item 6(a).	KM	0	0	42	0	0	3253	0	0	136626	136626	
69	40	Supply and erection of Number plates on existing masts	Each	0	200	200	0	95	20	0	19000	4000	23000	
69	41	Supply and erection of caution boards for 25kV traction.	Each	0	200	200	0	150	30	0	30000	6000	36000	
TOTAL OF SOR ITEMS										0	11194832	3419098	14613930	
Add 322% on the SOR items as per LOA no. E.29/TRD/Deposit/22/2017-18, Dt 18-10-2017										0	36047359	11009466	47056855	
GRAND TOTAL OF SCHEDULE A - SOR ITEMS										0	47242191	14428564	61670785	
Shed B. Non - SOR Items:														
PART I: STEEL ITEMS														
61	3(a)	Supply of Traction masts and main masts of switching stations, LT supply transformer station and booster transformer station as per latest RDSO drawings and IS specifications	MT	0	400	0	0	57487	0	0	22994800	0	22994800	
62	3(b)	Supply of fabricated steel work other than masts such as TTC's, portal sets (with all components) etc., as per latest RDSO drawings and IS specifications.	M/T	0	125	0	0	58612	0	0	7326500	0	7326500	
63	3(c)	Supply of fabricated steel work other than masts, TTC, Portals such as SPS, special fabricated steel etc.	MT	0	105.0	0	0	59737	0	0	6272385	0	6272385	
TOTAL OF PART I STEEL ITEMS										0	36593685	0	36593685	
Add 65% on the SOR Items as per LOA no. E.29/TRD/Deposit/22/2017-18, Dt 18-10-2017										0	1104632	0	1104632	
TOTAL OF PART I STEEL ITEMS AFTER LOADING PERCENTAGE										0	67698317	0	67698317	
PART II: COPPER ITEMS														

(54)

Sl. No.	Item No.	Description	Unit	App. Qty.			Rate in Rs.			Total Price in US			Rate Reference	
				Stock	Purchase	Labour/Erection	Stock	Purchase	Labour/Erection	Stock	Purchase	Labour/Erection		Total
79	2	Supply, fixing, connecting, testing and commissioning of of Out door type Heat shrinkable termination for 1 core, 240 Sq.mm, XLPE cable	Each	0	0	0	0	7710	4800	0	0	0	0	
TOTAL OF PART IV General Items											0	0	0	0
Add 49.9% on the NON-SOR Items as per LOA No.C/E.29/TRD/Rev/LSWP/40/2017-2018, dt.29.12.2017											0	0	0	0
TOTAL OF PART IV GENERAL ITEMS AFTER LOADING PERCENTAGE											0	0	0	0
PART V --General T & P and M & P Items														
80	1	Nylon mesh	Meters	0	500	0	0	178	0	0	89000	0	89000	P.O LT.195635100 558 dt.27-5-19
81	2	Supply of Parallel Clamp with fastners 1031-3 as per RDSO Drg No.ETI/OHE/P-1030-3, Mod RI No.1031-3, Complete set	Set	0	100	0	0	360	0	0	36000	0	36000	P.O.No. LT200439100 S15 dt.23.10.2020
82	3	Supply of Rail Jumper with rail clamp at both ends 3 meter long as per RDSO drg No.RE/33/P/500,501 & 504 with test guarantee certificate and copper cable PVC/Rubber and clamp made of AL-Bornze with IS:305/IS:30 with test. 1M/RJA/01/15/116.	Nos	0	100	0	0	2817	0	0	281700	0	281700	P.O.No. 28205006100 031 dt.21- JAN-20.
83	4	Supply of Rail Jumper with rail clamp at both ends 13 meter long as per RDSO drg No.RE/33/P/500,501 & 504 with test guarantee certificate and copper cable PVC/Rubber and clamp made of AL-Bornze with IS:305/IS:30 with test. 1M/RJA/01/15/116.	Nos	0	50	0	0	5150	0	0	257500	0	257500	P.O.No. 32195176100 006 dt.16- JAN-20.
84	5	Supply of 5kV Megger	Each	0	6	0	0	56641	0	0	339846	0	339846	P.O. No.74105198 100404 dated 19-Jul-19
85	6	Supply of Heavy Duty 5mm dropper wire cutter 18 inch long	Each	0	50	0	0	1160	0	0	58000	0	58000	P.O. No.28195149 100073, dated 05-Mar-20
86	7	Aska lamps for emergency works	Each	0	1	0	0	203487	0	0	203487	0	203487	P.O.LT.42185 001270524 dt.08-02-2018
87	8	BDV test kit	Each	0	1	0	0	497960	0	0	497960	0	497960	PO LT.195278100 388 dt.08-04- 2019
88	9	Supply of Protective Relays Data Analys Device	Each	0	6	0	0	56300	0	0	337800	0	337800	BQ Enclosed
89	10	Ladder trolley for erection	Each	0	5	0	0	76447.4	0	0	382237	0	382237	PO LT.1896591000 60 dt.13-01-20
90	11	Supply of mild steel 40mmX6mm flat	MT	0	6	0	0	56000	0	0	336000	0	336000	BQ ENCLOSED

Sl. No.	Item No.	Description	Unit	App. Qty.			Rate Rs.			Total Price in Rs.				Item Reference
				Stock	Purchase	Labour/Erection	Stock	Purchase	Labour/Erection	Stock	Purchase	Labour/Erection	Total	
11	12	Supply of 25kVA, 25kV single phase oil filled Auxiliary Transformer as per RDSO specifications	Each	0	2	0	0	98530	0	0	197060	0	197060	PO LT-0419512810 0213 dated 06- Mar-2020
12	13	Supply of Numerical Integrated Feeder protection Relay, as per latest RDSO spec no.: TI/SPC/PSI/PROTCT/5070 and Rev. 1 (Type: ANZ 14).	Each	0	2	0	0	7,50,000	0	0	1500000	0	1500000	
13	14	Supply of Delta I relay confirming to nOSO Spec No. TI/SpC/ps/pRoTCTt 1982 with A & c Slip No. 1 & 2 or its latest. (Type-ANPD1 I2)	Each	0	1	0	0	6,20,000	0	0	620000	0	620000	B Q
14	15	Supply of Numerical Integrated Transformer Differential protection Relay as per RDSO spec no. TI/SPC/PSI/PROTCT/6071 with A&C Slip	Each	0	1	0	0	4,50,000	0	0	450000	0	450000	B H C L O S E D.
15	16	Supply of protection Relay (OC+REF) for primary side as per RDSO spec no. TI/SPC/PSI/PROTCT/6071 with A&C Slip No.1. (Type-ANTD20H)	Each	0	1	0	0	3,95,000	0	0	395000	0	395000	
16	17	Supply of Numerical Integrated Transformer protection Relay (OC+REF) for secondary side as per RDSO spec no. TI/SPC/PSI/PROTCT/6071 with A&C Slip No. 1. (Type-ANTD20ZLV)	Each	0	1	0	0	3,95,000	0	0	395000	0	395000	
17	18	Supply and fixing of HV bushings	Each	0	2	0	0	120000	0	0	240000	0	240000	C-E-TRD-SC- 07-2020- 2021
18	19	Supply and fixing of LV bushings	Each	0	2	0	0	75000	0	0	150000	0	150000	
19	20	Lightening arrester Leakage Current Analyzer	Each	0	2	0	0	826000	0	0	1652000	0	1652000	BQ Enclosed
20	21	Supply and erection of anti monkey / bird disc suitable for porcelain insulators (set consists of one bracket & one stay insulator) as per Drg. No: TI/Drg/ OHE/ABD/RDSO/00000/18/0 or latest	Sets	0	500	0	0	1646	0	0	823000	0	823000	C-E-TRD-03- 2020-2021 / 00947330025 16B dated 04- 03-20
		TOTAL of General T&P and M & P								0	9241590	0	9241590	
		TOTAL OF SW- II (Non SOR Items)								0	133361394	0	133361394	
		TOTAL OF SW-I & II								0	180603585	14428594	195032179	
		ABSTRACT COST												
21		Provision of OHE								0	180603585	14428594	195032179	
22		NET TOTAL								0	180603585	14428594	195032179	

Detailed Estimate No.C/E/Tr.D/ 46 /2021-2022

Division: SC Division

Place of work : Sulehali

Description of Work : Provision of OHE arrangements for proposed private siding for M/s.SCLL Ltd., taking off from MCL/CHP Yard of RKP-II siding

Reference :

Sl. No.	Item No.	Description	Unit	App. Qty.			Rate in Rs.			Total Price in Rs.				Rate Reference
				Stock	Purchase	Labour/Erection	Stock	Purchase	Labour/Erection	Stock	Purchase	Labour/Erection	Total	
SW-I (PSI) Schedule- 'A' (SOR Items)														
1	1(a)	Preparation of Designs and drawings.	Tkm	0	0	2	0	0	3242	0	0	6484	6484	
2	1(b)	Preparation of Design and drawings for Switching stations.	Each	0	0	1	0	0	7393	0	0	7393	7393	
3	1(c)	Preparation of Station working rule diagrams and working instructions.	Each	0	0	1	0	0	2469	0	0	2469	2469	
4	2(a)(i)	concrete for foundation & Plinth including cable trench in hard soil	cu.m	0	5	5	0	1281	357	0	6405	1795	8190	
5	2(a)(ii)	concrete for foundation & Plinth including cable trench in ROCKY soil	cu.m	0	3	3	0	1313	467	0	3939	1401	5340	
6	2(b)	Concrete for Foundation & Plinth including cable trench in other than Hard Soil and rock.	cu.m	0	50	50	0	1258	270	0	62900	13500	76400	
7	2(c)(i)	Reinforced concrete	cu.m	0	6	6	0	1603	321	0	9818	1926	11544	
8	2(c)(ii)	Cable trench covers	sq.m	0	50	50	0	446	106	0	22300	5300	27600	
9	2(e)	Extra for supply and sinking of concrete shells	cu.m	0	0.5	0.5	0	890	392	0	445	196	641	
10	3(a)	Erection of Main Masts of Switching Stations,	MT	0	0	10	0	0	457	0	0	4570	4570	
11	3(c)	Erection of Fabricated Small Part Steel work other than mast, TTC's, Portals, etc	MT	0	0	3	0	0	2313	0	0	6939	6939	
12	3(e)	Supply and Erection of Guy rod assembly.	Each	0	4	4	0	1951	226	0	7804	904	8708	
13	3(g)	Supply of steel reinforcement of RCC work.	MT	0	0	1	0	0	13740	0	0	13740	13740	
14	7(a)	Erection of All Aluminum 25 KV Feeder wire (Single spider 19/3.99mm)	km.	0	1	1	0	105	828	0	105	828	933	
15	7(d)	Manual erection of all Aluminum 25 kV Feeder / Return conductor (spider)	km.	0	1	1	0	105	1191	0	105	1191	1296	
16	8(a)(v)	Supply and erection of regulating equipment (3 pulley type) with counter weight assembly for conventional OHE.	Each	0	1	1	0	15068	850	0	15068	850	15918	
17	8(a)(xii)	Marking of "Y" - Measurement at BWA locations.	Each	0	0	1	0	0	37	0	0	37	37	
18	8(b)(i)	Supply without Insulator and erection of material for termination of Single conductor of Overhead equipment or terminating wire.	Each	0	2	2	0	911	196	0	1822	392	2214	
19	8(b)(iii)	Supply without insulator & erection of materials for termination of feeder wires	Each	0	4	4	0	928	196	0	3712	784	4496	
20	8(b)(ix)	Supply (other than Insulators) and erection of materials for termination of copper cross feeder with gantries.	Set	0	3	3	0	1698	196	0	5094	588	5682	
21	11(a)(i)	Supply without insulator and erection of 25 kV solid core cut-in insulator.	Each	0	8	8	0	377	135	0	3016	1080	4096	

57

Sl. No.	Item No.	Description	Unit	App. Qty.			Rate in Rs.			Total Price in Rs.				Rate Reference
				Stock	Purchase	Labour / Erection	Stock	Purchase	Labour / Erection	Stock	Purchase	Labour / Erection	Total	
52	25(b)	Supply and installation of cable for heater supply.	m.	0	100	100	0	18	4	0	1800	400	2200	
53	25(c)	Supply and installation of cable for catenary indication.	m.	0	100	100	0	23	4	0	2300	400	2700	
54	25(d)	Supply and installation of cable for LT power supply.	m.	0	40	40	0	56	5	0	2240	200	2440	
55	25(e)	Supply and installation of cable for 110 V. DC. power supply.	m.	0	40	40	0	23	5	0	920	200	1120	
56	25(f)(i)(u)	Laying of 70 / 25 sq.mm cable	m	0	0	15	0	0	69.87	0	0	1048.05	1048.05	
57	26(a)(i)	Supply and erection of Aluminum bus bar 36mm x 28mm.	m.	0	100	100	0	113	14	0	11300	1400	12700	
58	26(b)(i)	Supply and erection of aluminum bus terminal (6480).	Each	0	10	10	0	659	9	0	6590	90	6680	
59	26(b)(ii)	Supply and erection of aluminum bus splice (6490).	Each	0	4	4	0	672	9	0	2688	36	2724	
60	26(b)(i)	Supply and erection of aluminum bus tee connector (6500)	Each	0	5	5	0	685	8	0	3425	40	3465	
61	26(b)(iv)	Supply and erection of aluminum bus bar terminal connector 36/20mm. (6530).	Each	0	6	6	0	632	8	0	3792	48	3840	
62	26(b)(v)	Supply and erection of aluminum bus bar tap connector (6520).	Each	0	4	4	0	632	9	0	2528	36	2564	
63	26(b)(vi)	Supply and erection of flexible bus splice (6550).	Each	0	4	4	0	1546	9	0	6184	36	6220	
64	26(b)(vii)	Supply and erection of aluminum bus bar terminal connector bolted type (6830-1).	Each	0	5	5	0	517	8	0	2585	40	2625	
65	27(a)	Supply erection, Oil filtration, Testing & Commissioning of 5/10/25/50 kVA L.T. Supply Transformer.	Each	0	1	1	0	34	1179	0	34	1179	1213	
66	28	Supply without Insulator and erection of 25 KV DO Fuse Switch.	Each	0	1	1	0	2316	115	0	2316	115	2431	
67	30(a)(i)	Supply and Erection of Fencing Panel at switching stations.	m.	0	50	50	0	708	19	0	35400	950	36350	
68	30(a)(ii)	Supply and Erection of Fencing Upright	MT	0	5	5	0	21605	906	0	108025	4530	112555	
69	30(b)(i)	Supply and Erection of Anti-climbing device at switching stations.	m.	0	50	50	0	80	2	0	4000	100	4100	
70	30(b)(iii)	Supply and erection of anticlimbing device etc., L.T. stations	Each	0	1	1	0	337	72	0	337	72	409	
71	31(a)	Transfer of equipment from one mast or support to other.	Each	0	0	4	0	0	564	0	0	2256	2256	
72	31(b)	Provision of additional bracket assembly/assemblies on a mast or support	Each	0	0	3	0	0	500	0	0	1500	1500	
73	31(t)(xiii)	Readjustment of OHE span including erection of droppers	Each	0	0	5	0	0	1000	0	0	5000	5000	
	32	100 % Extra on erection rates for work done under power block												

58

Sl. No.	Item No.	Description	Unit	App. Qty.			Rate in Rs.			Total Price in Rs.				Rate Reference
				Stock	Purchase	Labour/Erection	Stock	Purchase	Labour/Erection	Stock	Purchase	Labour/Erection	Total	
Schedule B: Non S O R Items:-														
PART I STEEL ITEMS														
107	3(a)	Supply of Traction masts and main masts of switching stations, LT supply transformer station and booster transformer stations as per latest RDSO drawings and IS Specifications.	MT	0	10	0	0	57487	0	0	574870	0	574870	
108	7(c)	Supply of fabricated steel work other than mast, TTC's, portals, such as SPS, special fabricated steel etc	MT	0	3	0	0	59737	0	0	179211	0	179211	
TOTAL OF PART I ITEMS											0	754081	0	754081
Add 85% on the SOR Items as per LOA no. E.29/TRD/Deposit/22/2017-18, Dt 18-10-2017											0	640969	0	640969
TOTAL OF PART I ITEMS after loaded %											0	1395050	0	1395050
PART II COPPER ITEMS														
109	7(c)	Supply of 37/2.25 mm(150 sq.mm) hard drawn bare copper cross feeder wire as per latest RDSO specification	kg.	0	120	0	0	586	0	0	70320	0	70320	
110	15(a) (i)	Supply of 160 sq.mm Annealed stranded Copper Jumper wire.	kg.	0	80	0	0	586	0	0	46880	0	46880	
111	15(a) (ii)	Supply of 130 sq.mm Annealed stranded Copper Jumper wire.	kg.	0	20	0	0	586	0	0	11720	0	11720	
112	15(a) (iii)	Supply of 105 sq.mm Annealed stranded Copper Jumper wire	kg.	0	30	0	0	586	0	0	17580	0	17580	
113	15(a)(iv)	Supply of 50 Sq.mm Annealed Standard Copper jumper wire as per latest RDSO specification	kg.	0	10	0	0	593	0	0	5930	0	5930	
TOTAL OF PART II ITEMS											0	152430	0	152430
Add 85% on the NOM SOR Items as per LOA no. E.29/TRD/Deposit/22/2017-18, Dt 18-10-2017											0	129565.5	0	129565.5
TOTAL OF PART II ITEMS after loaded %											0	281995.5	0	281995.5
PART III INSULATORS														
114	8(bx)(i)	Supply of insulators for item no 8(b)(i)/(ii)/(iii)/(v)/(vi)/(vii)/(viii)/(ix)	Each	0	10	0	0	2516	0	0	25160	0	25160	
115	9(ax)(i)	Supply of insulator for item No.9(a), (b), (c)	Each	0	5	0	0	1172	0	0	5860	0	5860	
116	11(ax)(i)	Supply of insulators for item no.11(a)(i),(ii)	Each	0	13	0	0	2516	0	0	32708	0	32708	
117	11(bx)	Supply of insulator for double pole isolator 1250Amps	Each	0	20	0	0	3271	0	0	65420	0	65420	
118	13(ax)	supply of insulator for double pole isolator	Set	0	3	0	0	16608	0	0	49824	0	49824	
119	28(ax)	Supply of Post-Insulators for Item 28.	Each	0	1	0	0	6542	0	0	6542	0	6542	
TOTAL OF PART III ITEMS											0	185514	0	185514
Add 53% on the NON SOR items as per LOA no. E.29/TRD/Deposit/22/2017-18, Dt 18-10-2017											0	98322	0	98322

Sl. No.	Item No.	Description	Unit	Appx. Qty.			Rate in Rs.			Total Price in Rs.			Rate Reference
				Stock	Purchase	Labour/Erection	Stock	Purchase	Labour/Erection	Stock	Purchase	Labour/Erection		Total
TOTAL OF PART III ITEMS after loaded %									0	283836	0	283836	
PART IV GENERAL ITEMS													
120	7(a)	Supply of All Aluminium 25 KV feeder wire (single spicer 19/3.99mm)	Km.	0	2	0	0	145600	0	0	291200	0	291200
121	17(n)(i)	Supply of maintenance free earth kit	set	0	2	0	0	8500	0	0	17000	0	17000
122	17(n)(n)	Supply of insulator cadmium bronze cable	mts	0	50	0	0	225	0	0	11250	0	11250
123	17(n)(m)	Supply and routing of PVC multi strand copper cable	mtrs	0	50	0	0	58	0	0	2900	0	2900
124	18(a)(n)	Supply of Vacuum Interruptors.	Each	0	2	0	0	198556	0	0	397112	0	397112
125	19(a)(i)	Supply of 25 KV PT type I	Each	0	3	0	0	41645	0	0	124935	0	124935
126	19(a)(ii)	Supply of 25 KV PT type II	Each	0	2	0	0	41645	0	0	83290	0	83290
127	20(a)	Supply of 42 KV LA	Each	0	3	0	0	27720	0	0	83160	0	83160
128	23(a)	Supply of Lead acid battery 110 V , 40 VA	Each	0	1	0	0	36600	0	0	36600	0	36600
129	24(a)	Supply of battery charger	Each	0	1	0	0	29458	0	0	29458	0	29458
130	27(a)(ii)	Supply of 25KV, 230V, Aux. Transformer-10 KVA	Each	0	1	0	0	65650	0	0	65650	0	65650
131	28(a)	Supply of operating rod for D.C fuse switch	Each	0	1	0	0	3588	0	0	3588	0	3588
132	51(a)	Supply and Erection of TEAM CRIB [ACID RESISTANCE] sheets of 30mm thickness for battery room flooring	Sq.feet	0	100	100	0	1050	100	0	105000	10000	115000
133	51(b)	Supply and Erection of TEAM CRIB [ACID RESISTANCE] sheets of 20 mm thickness for battery table	Sq.feet	0	90	90	0	1000	100	0	90000	9000	99000
134	51(c)	Supply and Erection of TEAM CRIB [ACID RESISTANCE] sheet of 11 mm thickness for side wall of a battery room	Sq.feet	0	150	150	0	550	100	0	82500	15000	97500
135	59	Testing and commissioning of equipment at SSP/SP	Ls.	0	0	1	0	0	1000	0	0	1000	1000
TOTAL OF PART IV ITEMS									0	1423643	35000	1458643	
Add 72% on the NON-SOR Items as per LOA No.C/E.29/TRD/25/2015-2016, dt.25.07.2016									0	1025023	25200	1050223	
TOTAL OF PART IV ITEMS after loaded %									0	2448666	60200	2508866	
TOTAL OF NON-SOR items after loaded %									0	4409548	60200	4469748	
TOTAL OF SOR and NON-SOR ITEMS after loading percentage									0	6250021	728530	6978551	
SW-II (PSI) Earthing system for each switching station each SSP													
Schedule - B Non-SOR Items													
136	1	Supply and erection of galvanized nut - bolt washer (plain & spring type with check nut etc.)	Set	0	12	12	0	28	100	0	336	1200	1536
137	2	Excavation and refilling of soil (15X0.6X1.0)	Cu.m	0	0	16	0	0	600	0	0	9600	9600
138	3	Transportation and erection of 13m long buried rail.	Each	0	0	2	0	0	3000	0	0	6000	6000

09

Sl. No.	Item No.	Description	Unit	App. Qty.			Rate in Rs.			Total Price in Rs.			Rate Reference	
				Stock	Purchase	Labour/Erection	Stock	Purchase	Labour/Erection	Stock	Purchase	Labour/Erection		Total
139	4	Supply and erection of galvanized iron flat 75X8 mm size (Burrled rail to earth pit = 4X2=8m and Burrled rail to track 4X3,5=14m: Total=22m)	Mstrus	0	22	22	0	413	100	0	9086	2203	11286	
140	5	Supply and erection of 20mm dia copper rivets.	Each	0	8	0	0	280	50	0	2240	0	2240	
141	6	Supply and installation of high productivity fasteners(rail contact system with Tin plated copper bush attachment) for fixing of traction bond as per RDSO specification No.TI/PSI/PROTECT/Failure/12	Each	0	8	8	0	3000	300	0	24000	2403	26400	
142	7	Supply of 25kV Vacuum CB Allnd Make	Each	0	1	0	0	501500	0	0	501500	0	501500	P.O No 081861031001 41 DATED 15- FEB-2019
143	8	Supply,erection,testing and commissioning of control panel for CB Allnd Make	Each	0	1	0	0	1873840	0	0	1873840	0	1873840	P.O No LY1994321008 87 DATED 18- SEP-2019
144	9	Supply of 25kV Current Transformer Ratio 1500-750/5A as per RDSO Specifications	Each	0	5	0	0	38940	0	0	194700	0	194700	P.O No 1820584810057 (DATED) 21- OCT-2010
		TOTAL of SW-II								0	2605702	21400	2627102	
		SCADA WORKS												
		SW-III (PSI)												
145	1	Supply,Erection ,Testing & Commissioning of Remote Station Equipments at remote stations (RTU SP/SSP) as per RDSO Spec.No TI/SPC/RCC/SCADA/0130(Rev-2) with amendments compatible with existing SERVER installed at Secunderabad	Each	0	1	1	0	952940.6	59805.9	0	952940.63	59805.9	1012746.53	BQ Enclosed
146	2	Additional FSK modem required to integrate with existing SCADA	Each	0	1	0	0	43950	0	0	43950	0	43950	BQ Enclosed
147	3	Modification in the SCADA software to integrate the new SSP in the existing SCADA at RCC/Secunderabad	Each	0	0	1	0	0	80754.41	0	0	80754.41	80754.41	BQ Enclosed
		TOTAL of SW-III								0	996891	140560	1137451	
		SW-IV : Civil works												
		Provision towards civil engineering works at TPC/RC for housing the equipments controlling of 25kV assets to maintain continuous & reliable power supply to the proposed siding.	LS	0	1	0	0	6000000	0	0	6000000	0	6000000	Lumpsum provision
		TOTAL of SW-IV								0	6000000	0	6000000	
		Total of SW-I, SW-II, SW-III & SW-IV								0	15852613	890491	16743104	

Sl. No.	Item No.	Description	Unit	App. Qty.			Rate in Rs.			Total Price in Rs.				Rate Reference	
				Stock	Purchase	Labour/Erection	Stock	Purchase	Labour/Erection	Stock	Purchase	Labour/Erection	Total		
				ABSTRACT COST											
	(i)	Provision of OHE arrangements										180603585	14428594	195032179	
	(ii)	Provision of additional Sub-sectioning & Paralleling post (SSP)										15852613	890491	16743104	
	(iii)	Total of TRD arrangements((i)+(ii))										196456198	15319084	211775282	
	(iv)	Deposit Work Charges@12.5%										24557025	1914886	26471910	
		NET TOTAL										221013223	17233970	238247193	
		Break Up													
		TOTAL ESTIMATE EXCLUDING GST												212720708	
		GST(12%) of total Estimate												25526485	
		NET TOTAL (INCLUDING GST)												238247193	

Rs. 23.82 Cr.

Sr. DEE / IED, SC

63



THE SINGARENI COLLIERIES COMPANY LIMITED
(A Government Company)

2 x 600 MW Singareni Thermal Power Plant
Jaipur (V&M), Pin: 504 216, Mancherial District, TS
Ph: 08737-243 244, e-mail: pocw_stpp@scclmines.com
(Regd.off: Kothagudem Collieries (PO):507 101, Bhadradi Kothagudem Dist., TS)
CIN: U10102TG1920SGC000571

Ref.No: STPP/CVL/453/264

Dt. 25.03.2023

Regd.Post/Ack.Due

To
M/s RITES Ltd.,
No.10-3-150&151/1, First Floor,
Malani Excel, St.Johns Road,
Near Ratnadeep Super Market,
East Marredpally, Secunderabad-500026

Sir,

Sub: Project Management Consultancy (PMC) work for providing Signalling and Telecommunication(S&T) to the existing STPP private Railway siding including connected infrastructure (initially for Phase-I lines of STPP siding & LTC siding from Mancherial to SRP CHP), Jaipur (V&M), Mancherial District, Telangana State.
- Reg.

Ref: NIT No. CRP/CVL/STPP/TN-79/2022-23, Dt. 04.02.2023.

I have to inform you that the above work is hereby let out to you, at your negotiated offer of (+)6.25% on execution cost of S&T work plus GST as applicable. (For making interim payments towards consultancy charges, the execution cost of S&T shall be taken as Rs. 30.00 Cr (excl GST) and on completion of execution & commissioning of S&T work, the total consultancy charges payable shall be arrived based on the completed cost of S&T work and while making final payment, all the intermediate payments will be adjusted).

The agreement has to be signed by you within two weeks from the date of award. Therefore, you are requested to submit (i) Performance guarantee for an amount of **Rs. 5.75 Lakhs** in the form of BG/FDR(the instrument shall be valid for a period of **27 (Twenty Seven)** months, In case of BG, the same is to be drawn from **Public Sector Bank/Private Bank incorporated in India having net worth of Rs. 5,000 crores and above for the previous financial Year** ii) Non-judicial Stamp paper worth of Rs. **100/-**, (iii) Copy of Railway empanelment certificate, GST Registration and Pan Card and (iv) a clear programme for completing various items of work given in the schedule of quantities as per the tender Schedule and hand over all the above documents at the O/o General Manager (Civil): Kothagudem for concluding the Agreement.

You are requested to contact the undersigned and make all arrangements to start the work immediately. Also please note that the time of completion of the above work is **Twenty Four Months** from the **date of signing of contract**. Within this period, you have to complete all the activities involved for execution and commission of S&T work and obtain all approvals from SCR and other Government Departments as per the requirement.

Yours faithfully,


Addl. General Manager (Civil)
STPP

Director (E&M)
 ED (Coal Movement)
 GM (Civil)/CTC:STPP
 GM (E&M): STPP
 Chief of O&M:STPP
 Chief of Power Project
 DGM (C) QCC: BPA Region & STPP
 AGM (F&A):STPP
 DGM (F&A),IA:BPA Region

For information please.

- (1) Estimated Cost : Rs. 2.30 Cr including GST.
- (2) Awarded cost : Rs. 2,33,06,250.00 Ps (excluding GST)
 Total Sanctioned cost : Rs. 2,78,00,000.00 Ps (including GST & contingencies)
- (3) No. of limited tenderers received : 02 Nos
- (4) Highest quoted offer : (+)6.75% on execution cost of S&T.
- (5) Initial uniform offer of lowest bidder : (+)6.30% on execution cost of S&T.
- (6) Negotiated offer of lowest bidder : (+)6.25% on execution cost of S&T.

AGM (F&A):STPP : For information please with a request to issue allocation work order for the Expenditure early . The total cost of the work is Rs. 2,78,00,000.00 Ps. (including GST & Contingencies). Expenditure is chargeable to WBS No. P-02-02-03-01-01.

SE (Civil)-II : For information and necessary action. The period of completion of work will be **Twenty Four Months** from the **date of signing of contract**.
 DB/Office.

Annexure - 'D'

65

IMMEDIATE

No. CPD-23014/1/2023-CPD

Government of India

(भारत सरकार)

Ministry of Coal

(कोयला मंत्रालय)

**Shastri Bhawan,
New Delhi, the 10th April, 2023**

To

- i. The Chairman-cum-Managing Director,
Coal India Limited, Coal Bhawan,
Plot No-AF-III, Action Area-1A,
Newtown, Rajarhat, Kolkata – 700156
- ii. The Chairman-cum-Managing Director,
Singareni Collieries Company Limited,
Singareni Bhavan, PB No. 18, Red Hills,
Khairatabad PO, Hyderabad, Telangana

Subject: Meeting of the Standing Linkage Committee (Long-Term) for Power Sector – SLC (LT) No. 01/23

Sir,

I am directed to forward herewith the approved minutes of the meeting of the SLC (LT) for Power Sector held on 21.02.2023 to consider the requests for coal linkages to Central / State Sector power plants and to review the status of existing coal linkages / LoAs & other related matters.

Yours faithfully,

Sujeet Kumar
10/4/2023

(Sujeet Kumar)

Under Secretary to the Government of India
Tele. No. 011-23384112 / email – sujeet.kmr@nic.in

Encl: (1)

Copy to -

1.	Additional Secretary, Ministry of Coal	Chairperson
2.	Principal Advisor (Energy), NITI Aayog, Yojana Bhawan New Delhi	Member
3.	Joint Secretary (Coal), Ministry of Coal	Member
4.	Advisor (Projects), Ministry of Coal	Member
5.	Joint Secretary (Thermal), Ministry of Power, Shram Shakti Bhawan, New Delhi	Member
6.	Joint Secretary (Ports), Ministry of Shipping, Transport Bhawan, New Delhi	Member
7.	Executive Director, Coal, Railway Board, Rail Bhawan, New Delhi	Member
8.	Director (Marketing), Coal India Limited	Member
9.	CMD's SCCL, BCCL, CCL, ECL, MCL, NCL, SECL & WCL	Members
10.	Chairman-cum-Managing Director, Central Mine Planning & Design Instt Ltd., Gondwana Place, Kanke Road, Ranchi	Member
11.	Chairman, Central Electricity Authority, Sewa Bhawan, RK Puram, New Delhi	Member
12.	Chairman, NTPC, Scope Complex, Lodhi Road, New Delhi-110003	Member

Copy to:

- (i) Coal Controller, Coal Controller Organization, Kolkata
- (ii) Director (Technical), CIL, Kolkata
- (iii) GM (S&M), CIL, Kolkata
- (iv) GM (S&M), CIL, Delhi

Copy also to -

1. PS to Minister of Coal
2. PS to Minister of State for Coal
3. Advisor to Secretary (Coal)
4. PPS to Additional Secretary (Coal)
5. PS to Nominated Authority
6. PPS to Joint Secretary (CPD)
7. PS to DS (CPD)
8. NIC, Ministry of Coal - with the request to upload the Minutes of the Meeting in the website of Ministry of Coal

Minutes of the Meeting of the Standing Linkage Committee (Long Term) for Power Sector [SLC (LT) 1 / 2023] held on 21.02.2023 at 11.30 A.M

Venue: Coal India Limited, Core 6, 6th Floor, Scope Complex, Lodhi Road, New Delhi

List of the participants is at the **Annexure**.

At the outset, the participants to the meeting were welcomed. The discussions held on the various agenda items are as under:

<p>Agenda Item No. 1: Confirmation of the Minutes of the Meeting of the SLC (LT) held on 21.09.2022, 28.10.2022 & 11.11.2022</p> <p>Record of Discussions: There were no comments from any member.</p> <p>Recommendations: Minutes of the Meeting of the SLC (LT) held on 21.09.2022, 28.10.2022 & 11.11.2022 are confirmed.</p>
<p>Agenda Item No. 2: Bridge Linkage Extension for Panki Extension TPP (1 x 660 MW) of UPRVUNL: Ministry of Power vide O.M dated 19.01.2023 has requested to consider the request of UPRVUNL for extension of Bridge Linkage for Panki Extension Thermal Power Plant (TPP) (1 x 660 MW) for a period of 3 years in order to avoid delay in commissioning activities of the unit and for the energy security of the State.</p> <p>Ministry of Power has informed that UPRVUNL is in the process of selection of MDO for its captive Saharpur Jamarpani coal block and NIT for the selection of MDO has been issued and production from mine is expected to commence in FY 2028 – 29.</p> <p>UPRVUNL vide letter dated 24.12.2022 has also requested for time extension of Bridge Linkage allocated for Panki TPP (1 x 660 MW) for a period of 6 years, so that supply of coal to the super critical technology based power plants can be ensured. UPRVUNL has also requested to advise Coal India Limited to allocate commissioning coal for Panki</p>

Sujeet Kumar
1/18

Recommendations: As the project proponent was not present, SLC (LT) recommended to defer the item to the next meeting of the SLC (LT).

Additional Agenda Item No. 8: Bridge Linkage extension for Singareni Thermal Power Plant 2 x 600 MW of SCCL:

SCCL vide letter dated 08.02.2023 has requested for extension of Bridge Linkage for Singareni Thermal Power Plant (STPP) 2 x 600 MW upto 2023-24 from the mines of SCCL. It has been stated that Naini coal mine located in Odisha was allotted to SCCL on 13.08.2015 for Singareni Thermal Power Plant (2 x 600 MW) (Stage-I) and the additional 1 x 600 MW 3rd Unit (Stage-II) as the end use plants. The COD of both the units was achieved and are operating at full load. SCCL has also informed that the Bridge Linkage to SCCL against the Naini coal mine was extended by the SLC (LT) on 10.04.2018 upto 2023 and is on tapering basis from 2021 – 2023. However, coal production from Naini coal block is yet to commence due to delay in obtaining Stage-II forest clearances and other approvals.

SLC (LT) in its meeting held on 18.03.2016 had recommended Bridge linkage to SCCL Singareni Thermal Power Plant (STPP) 2 x 600 MW from SCCL mines for a period of 3 years from the date of allotment of coal mine / block. Extension of Bridge Linkage to the units of SCCL was recommended by the SLC (LT) in its meeting held on 10.04.2018. The extension was up to 2023 and is on tapering basis from 2021 to 2023 as per the approved mining plan.

Ministry of Power vide O.M dated 20.02.2023 has also recommended for extension of Bridge Linkage of SCCL for the consideration of SLC (LT) in order to avoid loss of generation from the linked plants of Naini coal block. Ministry of Power has stated that Naini coal mine is under development and the constraints in the development of the coal mine are Forest Clearance Stage-II, Land Acquisition and appointment of MDO. Ministry of Power has also stated that Naini coal block is expected to start production in FY 2022-23 and the PRC is expected to be achieved by FY 2024-25.

Sujeet Kumar
14/18

Nominated Authority vide O.M dated 17.02.2023 has informed that Naini coal mine was allotted to SCCL vide Allotment Order dated 13.08.2015 for Singareni Thermal Power Project (3 x 600 MW). Further, the Naini coal mine is not yet operationalized and the scheduled year of production was Financial Year 2021-22.

Record of Discussions: Project Proponent informed that the delay in the operationalization of Naini coal block is not on the account of SCCL and Stage-II Forest Clearance is pending with MoEF&CC. It was also stated that Singareni Thermal Power Plant (2 x 600 MW) (Stage-1) is running at a very high PLF and therefore, to meet the requirement of the plant, extension of Bridge Linkage is required.

Representative of Nominated Authority informed that the issue of Forest Clearance is being taken up with MoEF&CC and issue would be resolved in a month's time. Representative of Nominated Authority also recommended for extension of Bridge Linkage on tapering basis.

Ministry of Power / CEA also recommended for extension of Bridge Linkage in order to avoid loss of generation from the Singareni Thermal Power Plant (2 x 600 MW) (Stage-1) linked with Naini coal mine.

Recommendations: In view of the recommendation of Ministry of Power and the Nominated Authority, SLC (LT) recommended for extension of Bridge Linkage to Singareni Thermal Power Plant (2 x 600 MW) of SCCL for a period of 1 year on tapering basis from SCCL. The rate for coal supplies against extended Bridge Linkages would be decided by CIL / SCCL.

Sujeet Kumar

15/18

List of Participants**Ministry of Coal**

1. Ms Vismita Tej, Additional Secretary [In the Chair]
2. Shri Sanjeev Kumar Kassi, Joint Secretary (CPD)
3. Shri Marapally Venkateshwarlu, Director (CPD/NA)
4. Shri Ajitesh Kumar, Director (NA)
5. Shri Sujeet Kumar, Under Secretary

Ministry of Power

1. Shri Anoop Singh Bisht, Deputy Secretary

NITI Aayog

1. Shri Jawahar Lal, Deputy Chief Engineer (Energy)

Ministry of Shipping

1. Shri Parmeshwar Bali, Dy. CCC

Ministry of Mines

1. Shri Sanjeev Verma, Director

Coal Controller Organization

1. Shri Joginder Singh, OSD

Coal India Limited

1. Shri Mukesh Choudhary, Director (Marketing)
2. Shri Vineet Singh, CM (M&S)

Mahanadi Coalfields Limited

1. Shri Dhananjay Kumar, GM (M&S)

Northern Coalfields Limited

Sujeet Kumar

16/18

1. Shri Chandan Kumar, Deputy Manager (M&S)

Western Coalfields Limited

1. Shri Dilip Ganvir, Senior Manager (M&S)

South Eastern Collieries Limited

1. Shri C. B. Singh , General Manager (M&S)

Bharat Coking Coal Limited

1. Shri U.B. Singh

Central Coalfields Limited

1. Shri Ajit Singh, General Manager

Eastern Coalfields Limited

1. Shri G.S. Mishra, HoD (M&S)

Singareni Collieries Company Limited

1. Shri J. Allwyn, Executive Director (Coal)
2. Shri P. Surender Raju

Central Electricity Authority

1. Shri M.P. Singh, Chief Engineer
2. Shri Himanshu Katiyar, Assistant Director
3. Ms Suman Bala

NTPC Limited

1. Shri Dileep Kumar, ED (FM)
2. Shri P.K. Mishra, ED
3. Shri Sachin Agarwal, AGM

Sujeet Kumar

17/18

UPRVUNL

1. Shri S. K. Dutta
2. Shri Mahesh Kumar, CE

NALCO

1. Dr. Ashutosh Roul, GM (Mines)
2. Shri Bidipta Chandra, DGM (Coal)
3. Shri A.K. Saran

MAHAGENCO

1. Shri Prafulla Pathak, ED

Sujeet Kumar

73



THE SINGARENI COLLIERIES COMPANY LIMITED

(A Government Company)

2 X 600 MW SINGARENI THERMAL POWER PLANT

Pegadapalli (V), Jaipur (M)-504216, Mancherial (Dist), T.S.

Ref : STPP/COAL/2023/46/169

Date: 29.03.2023

**GENERAL MANAGER
MARKETING
HYDERABAD**

Sub: Signing of supplementary MoU-II - Reg .

With reference to the above subject, please find enclosed herewith duly signed supplementary MoU-II copy of the pricing structure of coal for the FY-2023-24 between SCCL and STPP.

This is for information and for record please.

Encl: A/a


GM (E&M), STPP

SUPPLEMENTARY MEMORANDUM OF UNDERSTANDING –II

As per clause No. 11 of the MoU dated 16.4.2021 entered between M/s STPP and M s. SCCL, the **Annexure-1** specifying the pricing structure as per Clause No.3.0 applicable for the FY 2022-23, shall be read as follows:

Annexure-1

PRICING STRUCTURE FOR THE FY 2023-24

S. No	Type of customer	Mine	Quantity	Price
1	Bridge Linkage	Normal	Up to 75 % Agreed Quantity	20 % over and above notified basic price of power for all grades of coal
		Cost Plus Mine/Blended CHP/Washery	Up to 75 % Agreed Quantity	Notified basic price of the Mine/Blended / CHP/ washed coal or 20% over and above notified basic price of the power whichever is higher
		Normal	Beyond 75 % Agreed Quantity	30% over and above notified basic price of Power Sector.
		Cost Plus Mine/Blended CHP/Washery	Beyond 75 % Agreed Quantity	Notified basic price of the Mine/Blended CHP / washed coal or 30% over notified basic price of the power whichever is higher
2	Non - Bridge Linkage /MOU customer	Normal	Upto MOU Quantity	30 % over and above notified basic price of power for all grades of coal
		Cost Plus Mine/Blended CHP/Washery	Upto MOU Quantity	Notified basic price of the Mine/Blended CHP / washed coal or 30% over and above notified basic price of the power whichever is higher

The other terms and conditions of MoU dt.16.4.2021 remain unchanged.

IN WITNESS WHEREOF THE PARTIES THROUGH THEIR
AUTHORISED REPRESENTATIVES HAVE SET THEIR HANDS ON THE
29th DAY OF March 2023.

For and on behalf of Seller
(SCCL)

For and on behalf of Purchaser
(STPP)

[Signature]
29.03.2023.

[Signature]
29/03/2023

(K. SURYANARAYANA)
GM (Marketing)

(D V S Suryanarayana Raju)
GM (EAM), STPP

Witness:

Witness:

[Signature]
29/3/23

(P.SURENDER RAJU)
DGM (Marketing)

[Signature]

(T. SOO HAKAR)
Amm(IA) (STPP) 29/3/23



TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
D.No. 11-4-660, 5th Floor, Singareni Bhavan, Red Hills, Hyd – 500 004.

From
The Commission Secretary(FAC)
TSERC, 11-4-660, 5th Floor,
Singareni Bhavan, Red Hills,
Hyderabad -500004

To
The Chairman and Managing Director
SCCL-Power Plant Division, 11-4-660,
3rd Floor, Singareni Bhavan, Red Hills,
Hyderabad -500004

Lr.No.TSERC/Secy/F: /D.No ⁶⁷⁶ Dt 07-10-2023

Sir,

Sub: - SCCL – Filings of Business Plan and Capital Investment Plan
for the period FY 2024-25 to FY 2028-29 – Additional
Information Required – Reg.

Ref: - O.P.No 25 of 2023 & O.P.No 26 of 2023

With reference to the subject mentioned above, I am directed to call for
the information as per Annexure enclosed.

2. The above information should reach this office on or before 13.10.2023.

Encl:1

Yours faithfully,

Secretary[FAC]



GM [CPP] / GM [MS]

Annexure

Additional Information Requirement on the filings of Business Plan and Capital Investment Plan for the period FY 2024-25 to FY 2028-29

1. The Petitioner shall provide the means of finance details for the proposed capital expenditure schemes (Government grant, Consumer Contribution, Equity and Debt).
2. For the year wise capital expenditure proposed, the Petitioner should provide its preparedness to execute the proposed schemes separately in terms of:
 - a. Financial Preparedness in terms of Funds Tie up
 - b. Physical preparedness in terms of preparation of DPR, Tender Documents, Tendering Process and Award of Contract.
3. As per Regulation 7 (a) of the Terms and Condition for determination of Generation Tariff Regulations, 2019 the details for saving in operating cost is to be provided in Business Plan. Accordingly, the details related to the Man Power planning as shown below and expected O&M cost (on yearly basis) shall be provided by the Petitioner.

Sl. No.	Particulars	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
1.	Opening Manpower (Nos.)					
2.	Addition of Manpower (Nos.)					
3.	Retirement of Manpower (Nos.)					
4.	Closing Manpower (Nos.)					

4. The Petitioner shall provide the calculations with formula and linkages for estimating the financial statements (Balance Sheet, P&L and Cash flow statement) for Business Plan in MS Excel version in linked format.
5. The Coal Requirement (domestic and imported coal) as well as the Coal arrangement made (Linkage, agreement, etc.) details for projected generation in Business plan shall be provided by the Petitioner.
6. Excel working sheets of Profit& Loss account and provisional balance sheet along with linked files.