



பாரத மிகுமின் நிறுவனம்
இராணிப்பேட்டை.

BHARAT HEAVY ELECTRICALS
LIMITED RANIPET – 632 406.

PRICE BID

Tender Document for the work of:

Consultancy work for feasibility study , detailed project report & project management consultancy for extension of Railway siding in BHEL Factory, Ranipet Tamil Nadu

PRICE BID

Bill of Quantities

OFFER FOR FEASIBILITY STUDY, DETAILED PROJECT REPORT & PROJECT MANAGEMENT CONSULTANCY FOR EXTENSION OF RAILWAY SIDING OF M/S BHEL, RANIPET

1.0 INTRODUCTION:

1.1 Submission of a detailed offer for the subject work. Accordingly, the Consultant shall have to submit detailed scope of work, terms & conditions as detailed below:-

2.0 SCOPE OF WORK:

The total scope of work is split into two parts

Stage-I – Feasibility Study & Detailed Project Report
Stage-II – Project Management Consultancy

2.1 Stage I – (a) Feasibility Study

2.1.1. Pegging out the alignment on the ground with pillars in suitable intervals as per Engineering code.

2.1.2. Taking ground profile at suitable interval and fixing TBM pillars at 500m intervals for calculating gradient.

2.1.3. Carry out the feasibility of the additional lines/transit yard/extension of existing lines as required at the existing factory for handling the additional traffic.

2.1.4. Assess the requirement of road over/under bridges and level crossings if any, for the siding.

2.1.5. Define system of train working for the siding in accordance with the prevailing practices on the Southern Railway.

2.1.6. Prepare budgetary cost estimates for earth work, bridges, track work, road over/under bridges, level crossings, signaling and telecommunication arrangements, electrification of the siding.

2.1.7. Prepare a conceptual layout plan of the siding including yard facilities

2.1.8. Prepare and submit feasibility report along with the conceptual plan to BHEL for its comments.

- 2.1.9. Submit feasibility report after incorporation of comments received from BHEL along with the conceptual plan to Southern Railway for approval.
- 2.1.10. Prepare all construction drawings required for the project including plans, longitudinal sections, GA drawings of bridges/culverts etc.
- 2.1.11. Prepare detailed cost estimates for the proposed facilities covering all components of the system viz. Civil, OHE and Signaling and Telecommunications if any.
- 2.1.12. Prepare detailed project report and estimate covering all components of the siding viz, Civil, OHE and signaling and telecommunications.
- 2.1.13. Submit draft detailed project report and estimate to BHEL for its comments.
- 2.1.14. On receipt of comments from BHEL, incorporate the comments and submit DPR and estimates to Southern Railway for its approval.
- 2.1.15. Obtain approval from Southern Railway for the Detailed Project Report and estimates.
- 2.2 **Stage II – Project Management Consultancy**
- 2.2.1. Preparation of technical specification and BOQ for carrying out the work by the agencies for which tenders shall be floated by M/s BHEL
- 2.2.2. Advise BHEL on approved/ recommended contractors and suppliers & invite bids.
- 2.2.3. Assist BHEL in evaluation of bids and finalization of contracts.
- 2.2.4. Assist BHEL in finalizing orders on suppliers of all materials
- 2.2.5. Supervise construction activity on an on-going basis and ensure that the work is executed as per Railway standards and meets Railway specifications.
- 2.2.6. Certify measurement of work for progressive payments to contractors.
- 2.2.7. Ensure that the material supplied should be as per the Railways standards except for items such as cement and steel that can be accepted based on manufacturer's certificate.

- 2.2.8 Carry out regular inspection of works and submit to BHEL inspection reports indicating defects to be rectified and on completion of the work, issue an acceptance certificate confirming that the work has been carried out satisfactorily and all defects have been rectified.
- 2.2.9 Define a detailed coordination procedure in consultation with BHEL.
- 2.2.10 Monitor the progress of the work against agreed schedules and submit comprehensive Monthly Progress Reports to BHEL incharge
- 2.2.11 Review in consultation with BHEL incharge, the actual progress of the project updates the projections on a monthly basis.
- 2.2.12 Coordinate the field works at the site with other agencies involved including BHEL local authorities.
- 2.2.13 Assist in testing and trials for commissioning of the various sub-systems namely permanent way.
- 2.2.14 Prepare and submit to BHEL as-built drawings of the proposed railway siding facilities commissioned.
- 3.0 **REMUNERATION:**
- 3.0.1 **The total fee payable for Feasibility Study, Detailed Project Report and Project Management shall be quoted in Bill of Quantities provided in the last Page .**
- 3.0.2 **Disbursement stages**
Stage 1
- a. 20% of the total fee payable on preparation of Detailed Project Report and obtaining approvals from Railways.
- Stage 2**
- b. 80% of the total fee payable for the Project Management Consultancy during execution on prorata basis.
- 3.1 **Blank**
- 3.2 **Other charges**

- 3.2.1 **Blank**
- 3.2.2 Other taxes, levies etc, if any, leviable or become leviable on the consultancy fee, as a result of any act of Govt. decree or order, the same shall be payable by M/s BHEL as per actuals on production of demand advice from the concerned authorities.
- 3.2.3 Two percent (2%) of the project cost of Railway siding for the approval of plans and drawings and two percent (2%) of the project cost of Railway siding for the inspection of the Railway lines before commissioning to be paid to Southern Railway shall be to M/s BHEL account. Fees once deposited with Railways will not be refunded in any case to M/s BHEL. These are the prevailing rates and in case of any variation in the rate of fees, the same has to be borne by the M/s BHEL.

4.0 **PAYMENT SCHEDULE:**

4.1 **Stage I** The payment for the above scope of work shall be as under:-

- | | | |
|-------|---|--|
| 4.1.1 | Mobilization advance | Rs. Nil (Rs 0.00) |
| 4.1.2 | On obtaining in principle approval for Feasibility - Survey Report from Railways & BHEL | 10% of Fee payable with Service Tax applicable thereon |
| 4.1.3 | On submission of draft DPR to Railways & BHEL | - 8 % of Fee payable with Service Tax applicable thereon |
| 4.1.4 | On obtaining approval from Railways | - 2 % of Fee payable with Service Tax applicable thereon |

4.2 **Stage II** :The fee for the Project Management Consultancy shall be 80 % of total fee payable plus service tax as applicable according to value of work executed at site by the agency executing embankment formation and railway line laying work. The payment will be made on prorata basis till prepare & submitting of as built drawing as approved by Railways

5.0 **MODE OF PAYMENT:**

- 5.1 Payments will be made as per M/s BHEL terms i.e payment will be made through EFT on any scheduled bank at Head quarters within 15 days from the date of submission of bill/invoice by Contractor.
- 5.2 Service tax as applicable on Contractor remuneration shall be paid reimbursed by M/s BHEL.

6.0 **BUILT UP COST:**

The built up cost will consist of expenditure towards the following including all taxes but excluding the cost of land and shall include:

- 6.1 Actual cost of construction including cost of stores and materials used in the work.
- 6.2 Cost of construction of enabling works;
- 6.3 Cost of material handling, loading and unloading;
- 6.4 Cost of testing of materials carried out;
- 6.5 Cost of any other item of work connected therewith;

7.0 **TIME SCHEDULE:**

The time-schedule for Stage.I of works shall be as follows:

- 7.1 Submission of Feasibility Survey Report & obtaining approvals from Railways 30 days from the date of receipt of LOI.
- 7.2 Submission of draft DPR 15 days
- 7.3 Submission of final DPR after incorporation of comments of Railway and obtaining approvals from Railways 45 Days

- 7.4 The time-schedule for Stage.II project Management consultancy shall be One year from the date of commencement track work or Till prepare & submitting of as built drawing as approved by Railways.

8.0 **RESPONSIBILITY OF M/S BHEL**

8.1 M/s BHEL will authorise Contractor as Consultants for the subject project.

8.2 M/s BHEL shall treat all reports, data and correspondence furnished by Contractor as confidential and information contained therein shall not be generally circulated except as is strictly necessary for the other party for satisfactory execution of his part of work in respect of this contract.

8.3 Where data/information is required from any other agencies, M/s BHEL will extend its help to Contractor in getting data/information from other agencies.

M/s BHEL organizes coordination meetings at the request of Contractor as and when necessity arises.

8.4 M/s BHEL will nominate one officer as Liaison Officer to whom all such matters where approval of M/s BHEL is required will be referred to by Contractor.

8.5 M/s BHEL will provide suitable accommodation in its guest house according to the status of visiting officials on payment of charges laid down by BHEL, subject to availability of accommodation at that time.

BHARAT HEAVY ELECTRICALS LIMITED					
BOILER AUXILIARIES PLANT					
RANIPET - 632 406					
CIVIL PROJECTS & SERVICES DEPARTMENT					
BILL OF QUANTITIES					
Name of work : Consultancy work for feasibility study , detailed project report & project management consultancy for extension of Railway siding in BHEL Factory, Ranipet Tamil Nadu.					
SI No	DESCRIPTION OF WORK	QTY	UNIT	RATE Rs .P	AMOUNT Rs.P
1	3.0.1. The total fee payable for Feasibility Study, Detailed Project Report and Project Management Consultancy based on the built up cost as referred in para 6.0 above. Out of which 20% of Fee shall be payable on preparation of Detailed Project Report & obtaining approvals from Railways in three stages (10%, 8% & 2%) and the balance 80% of the Fee shall be payable for the Project Management Consultancy on prorata basis according to the value of work executed at site by the agency executing embankment formation and railway line laying work till prepare & submitting of as built drawing as approved by Railways.	1	LS		
	Total Fee payable			Rs.p	
	Service Tax Percentage @% (Words in Percentage)			Rs.p	
	Total Fee Payable including Service Tax			Rs.p	
(Rupees in words)					
Contractor/Tenderer				Accepting Officer	