

**YSR Steel Corporation Limited (YSRSCL)**  
**EPCM Services for 3 MTPA Greenfield Integrated Steel Plant at Kadapa, AP**  
**Prebid Queries**

Tender Enquiry Document (Ref No: 07/YSRSCL/Consultancy/2021-22, dt 23.10.2021)

**YSRSCL's Response to the clarifications sought by the bidders**

Sl. No	Clause No:	Existing Clause	Clarification Sought	YSRSCL Response
1.	5 of schedule of events & bid data sheet (BDS) pg 4 of 83	Close date & time for the submission of Tenders: 12-11-2021 (16.00 Hrs. IST)	It is requested to kindly extend the due date of submission of the tender by at least 3 (three) weeks from the date of receipt of YSRSCl's clarification on the queries.	Refer to the Amendment-1 Dt. 10.11.2021
2.	2.3 pg 6 of 83	Based on the DPR and technical specifications submitted by TCE for the intake well, pipe line and raw water reservoir, YSRSCl intends to engage contractor(s) for constructing the same.	We understand that EPMC services for intake, cross country pipeline and reservoir shall be provided by TCE and is excluded from Bidder's scope. Please confirm.	Construction management will be part of this tender scope. Refer to the Amendment-1 Dt. 10.11.2021
3.	2.6 pg 6 of 83	10 MVA Construction power substations are constructed to provide power to the construction activities. The power will be distributed to various construction locations as designed by the consultant.	Construction Power Supply network shall be distributed in total Plant by providing required numbers of Distributed Substations at different locations in plant (using <b>existing</b> 10 MVA Construction Power Substation's Power) and a separate package or part of other enabling packages shall be made for this purpose. Please Confirm or provide your opinion.	Refer to the Amendment-1 Dt. 10.11.2021
4.	2.9 pg 6 of 83	YSRSCL has engaged M/s Dastur for preparation of Detailed Project Report (DPR)	If possible TEFr & DPR document (Draft/Final) may please be shared to understand the conceptual details of the plant.	Refer Appendix-I of the Amendment-1 Dt. 10.11.2021

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5.	22.1 of NIT Pg 18 of 83	Upon acceptance of the tender, the successful tenderer shall deposit with the Employer a sum sufficient, to make the Security Deposit to the extent of 5% (Five percent) of the total contract value, at all times, towards performance guarantee.	It is requested to consider 3 % Security Deposit in place of 5 % in line with the Office Memorandum of Department of Public Enterprises	Refer to the Amendment-1 Dt. 10.11.2021
6.	22.13 of NIT Pg 20 of 83	Bank Guarantee for the full value covering the security deposit and retention money in YRSCL approved proforma will be accepted, if the Consultant so desires and no deduction towards retention money will be made from the Running Account Bills except for variations in the Contract values.	We understand that in case of Government undertakings, "Performance Guarantee Bond" can be submitted for full value of security deposit and no deduction towards retention money will be made from the Running Account Bills. Please confirm.	Refer to clause 22.5 of Instruction to Tenderers
7.	Annexure-X Pg 29-34	Technical Evaluation Matrix-ANNEXURE-X	Our proposal for <b>modification in Annexure-X, Technical Evaluation Matrix is enclosed.</b> Please confirm the proposed modifications.	Refer to the Amendment-1 Dt. 10.11.2021
8.	8 of Special Conditions of Contract		Mode of Payment	Payment shall be released on Electronic Fund Transfer (EFT) basis as per the Owner Proforma. The Consultant before submission of first bill shall submit bank account details for e-payment as per the Owner Proforma duly certified by the authorized signatory of the bank

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9.	11.1 of SCC Pg 43 of 83	If the Consultant fails in the due performance of the contract within the time fixed by the contract or any extension thereof and/or to fulfill his obligations in time under the contract or any extension thereof, he shall be liable to pay as agreed Liquidated damages ..... case exceed 5% of the contract value.	If the Consultant fails in the due performance of the contract within the time fixed by the contract or any extension thereof and/or to fulfill his obligations in time under the contract or any extension thereof <b>due to reasons solely attributable to the consultant</b> , he shall be liable to pay as agreed Liquidated damages ..... case exceed 5% of the contract value.	Refer to clause 6.2 of Article-6 <b>LIQUIDATED DAMAGES</b>
10.	18.7 of SCC pg 47 of 83.	The employer may make modifications / revisions / changes / deletions in the scope of work from time to time and the same shall be complied with by the Consultant without prejudice to his rights under the contract.	The employer may make modifications / revisions / changes / deletions in the scope of work from time to time and the same shall be complied with by the Consultant without prejudice to his rights under the contract. Additional remuneration, if any and completion time on account of such changes shall be mutually agreed upon.	Please refer to clause 18.4 of <b>Special Condition of the Contract</b>
11.	3.2 (1) of Schedule-1 (Coke Oven) pg 50 of 83	Key Project Details	a) By-product plant has not been mentioned but it is required for any integrated steel plant. Please provide the details as envisaged in the DPR.	a) Coal Chemicals plant is also in the scope of the consultant. Refer to SCHEDULE-1- SCOPE OF WORK- PREAMBLE- PARA-2
12.			Future capacity expansion plan is not indicated in the enquiry which is essentially required to design the layout accordingly.	b) Refer to "PLANT CONCEPT" in the Amendment-1 Dt 10.11.2021
13.	3.2 of Schedule-1 pg 50 of 83	The following are the tentative plant facilities envisaged for the project. The same may be subjected to change	Few Major packages like Main Receiving sub-station, inter plant power distribution system, Raw Material Handling system, Construction power	The table gives details of the main process package details. All the facilities for completion of a "GREEN FIELD INTEGRATED

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		during specification preparation and contract finalization with the suppliers.	supply system, Construction water, DG sets etc. are also to be included in the list. Please clarify.	STEEL PLANT" as mentioned in "PLANT CONCEPT" document in the Amendment-1 Dt.10.11.2021 shall be considered in the scope of the consultant.
14.	5.1.3 of Schedule-1 pg 51 of 83	Assisting YRSCL by providing all necessary drawings/ documents / data required for obtaining all statutory clearances from statutory authorities like Directorate of Factories, Central Electricity Authority, Inspectorate of Explosives, Indian Bureau of Mines, Directorate General of Mines and Safety, Inspectorate of Boilers, etc., for obtaining licenses as required under Contract Labour act etc., and for obtaining approvals / permissions from APGENCO, AP TRANSCO etc. YRSCL has already obtained the environmental clearance from the Ministry' of Environment, Forests and Climate Change :(MoEF&CC), Government of India. YRSCL is in the process of obtaining the consent for establishment from Andhra Pradesh Pollution Control Board (APPCB) for setting up 3 MTPA greenfield integrated steel plant.	Drawings and documents for statutory clearances from Electrical inspectorate shall generally be made after Basic Engineering & therefore shall be arranged by EPCM consultant through respective package contractor. Please confirm.	Refer to the Amendment-1 Dt. 10.11.2021
15.	5.2.3 of Schedule-1 pg 52 of 83	Review the documents provided by the employer and revisit the overall lay out provided in DPR and to do necessary modifications / revisioning/ detailing based on the package contractor lay out clearly identifying the corridors for various services, roads, tracks,	Please clarify the nature of 'Future expansion'. Is it to be considered 'in general' or is there specific future expansions planned in TEFDR/DPR, which needs to be taken into account by EPCM consultant. Please clarify.	Refer to Appendix-I to the Amendment-1 Dt 10.11.2021.

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		drainages, battery limits for each package keeping in view for future expansion.		
16.	5.2.6 of Schedule-1 pg 52 of 83	Based on the basic feedback data provided by the eqpt. Supplier pg 52 of 83	Shall not be in the scope of Consultant w.r.to Turnkey package mode. The matter is well described in clause no. 5.2.7.	Refer to the Amendment-1 Dt. 10.11.2021
17.	5.3 of Schedule-1 pg 53 to 55	General	Inviting & receiving of tenders shall be in scope of YRSCL. Please confirm.	Consultant will invite & receive tenders on behalf of YRSCL.
18.	5.3.2 (iv) (d) of Schedule-1 pg 54 of 83	Summary specifications for the turnkey packages and the packages for the BOO units and submit the same to YRSCL in the electronic form along with the summary tender specification	What all needs to be covered in 'summary specifications'	Design basis and other relevant details for the bidder to submit a complete Techno commercial offer
19.	5.3.2 (x) of Schedule-1 pg 55 of 83	The Consultant shall prepare the contract for all the turnkey packages along with all technical & commercial correspondence and submit three (3) copies along with soft copies through FTP or shared drive for each of the contracts, for concluding the contract.	Whether consultant will prepare contract document or review the document prepared by the successful bidders?	The Consultant shall prepare the contract document
20.	5.6.3m of Schedule-1 59 of 83 of NIT	Enter measurements in "M" books, bill forms submitted by the Contractors and furnish clarifications if any, to the Finance Department.'	Whether entering in 'M' book and bill forms will be done by Consultant or Turnkey Contractors?	Entering in 'M' book and bill forms shall be done by the Consultant
21.	5.7.6 of Schedule-1 pg 62 of 83	If any inferior /substandard material /equipment is received by YRSCL owing to faulty inspection/ clearance by consultant, 1% of cost of equipment inspected subject to a ceiling of Rs. 5.00 lakhs each time of such occurrence will	Inspection service is not under the scope of consultant. Hence, this penalty clause may please be deleted	The penalty is only if the occurrence is due to faulty clearance by the Consultant. Existing clause remains.

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		be deducted from the payment due to the consultant for the inspection services.		
22.	5.8.4 of Schedule-1 pg 62 of 83	The Consultant shall prepare for Employer's concerned department the list of all drawings and documents based on the drawing list finalised with the respective turnkey contractors and ensure that contractors, submit all documents including erection manuals, operation & maintenance manuals required for handing over/taking over of any unit/package and check for their completeness & correctness before taking over of the unit/package (as the case may be) by Employer.	The consultant will ensure the completeness of all the drawings and documents during approval of the Drawing List submitted by respective Turnkey Supplier. Hence no separate drawing list will be required.	The Consultant has to prepare the list of drawings to be submitted by the turnkey suppliers. Existing clause remains.
23.	5.9.1 (c) of Schedule-1 pg 63 of 83	All the expenditure on all works undertaken by such staff engaged by the consultant, including cost towards office furniture / postage / telegram / telephones / cables / travelling expenses / computers / fax machines, internet connections etc., should be borne and paid by the consultant.	Please clarify whether YRSCL shall provide office at site to the consultant or office space for construction of site office by consultant.	Refer to the Amendment-1 Dt. 10.11.2021
24.	Schedule-2, Completion Schedule Pg 65 of 83	The PROJECT is scheduled to be completed ..... <b>detailed bar chart for each package/ contract keeping the overall project schedule of 38 months.</b>	The PROJECT is scheduled to be completed ..... <b>detailed bar chart for each package/ contract keeping the overall project schedule of 38 48 months.</b>	The project is scheduled to be commissioned in 38 months. However, the Consultant has to assist YRSCL in post-commissioning testing and other activities, and also closure of contracts etc., Hence, the contract duration is for 48 months even though project schedule is for 38 months.

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25.	1.2 of schedule-5 pg 69 of 83	Table of payment distribution	Coke oven unit is not included in the Table of Payment distribution. Please modify suitably.	Refer to the Amendment-1 Dt. 10.11.2021
26.	4.1 of Format of Contract Agreement Pg 75 of 83	The Contract Price is based on an estimated deployment of 8500 man-months for rendering services as per the scope of work given in Schedule-1.	We understand that 8500 man-months is towards deployment at site only during execution and do not include man-months towards engineering efforts from home/head office of consultant. Pease confirm.	Refer to the Amendment-1 Dt. 10.11.2021

TECHNICAL CLARIFICATIONS FOR THE QUERIES SOUGHT BY BIDDERS*			
Sl. No	Area	Clarification sought	Response by YSRCL
27.	Electrical	It is suggested that Electrical equipment design submission for review shall be conforming to Indian Standards (or IEC standards for equipment not manufactured in India). Please confirm.	Confirmed.
28.	Electrical	For Electrical Power receiving & distribution following methodology to be adopted: <b>a) Main Receiving Substation (MRSS)</b> is to be considered with EHV System & Required rating Power Transformers, HT Switchboard and other Auxiliary Facilities. <b>b) Inter Plant Power Distribution System</b> is to be considered Including various HT Substations, SCADA, Interplant Cable Tunnel/OH Bridge and Other Auxiliary Facilities to feed MV power Supply (33 kV & 6.6 kV), to various Technological and Service packages & areas (i.e., COB, Blast Furnace, Sinter Plant, Caster, SMS, Rolling Mill etc.). a) and b) above, can either be separate package or integrated in one package. Please Confirm or provide your opinion.	Confirmed. Inter plant power distribution system includes 11 KV distribution.
29.	Power Plant	The power plant synchronization with Main grid is understood to be at EHV level (220 kV). Please Confirm or provide your opinion.	Confirmed
30.	Power Plant	As the Captive Power Plant (CPP) is envisaged in BOO basis, whether DEC & PMC (review of drawings/ documents) to be considered for the same or not.	Power evacuation and connectivity of other utilities & SCADA are in the scope of consultant
31.	Power Plant	Whether turbo blowers for providing cold blast air to blast furnace shall be steam turbine driven or motor driven.	Motor driven
32.	Power Plant	If steam turbine driven turbo blowers to be considered, then source of steam to be indicated.	NA



33.	Power Plant	Source of process steam for all consumers of steel plant to be indicated as the entire excess gas will be utilized in CPP.	Excess steam will be utilized for power generation after meeting the plant steam requirement.
34.	Power Plant	Whether separate boiler to be envisaged for providing process steam to all consumers of steel plant. If so, then fuel for the boiler may please be indicated	No
35.	Power Plant	Whether centralised DG (Diesel Generator) Station to be envisaged or not to provide emergency power during black-out condition	No. Individual shops will have separate DG sets.
36.	Water	Requirement of Raw water treatment Plant (RWTP) Package is not indicated in NIT. EPCM services for RWTP is to be included in bidder scope of work or not. Please confirm.	Refer Amendment-1 Dt.10.11.2021
37.	Environment	As per EIA report and EC requirement of Environment Monitoring and Management, establishment of Environmental testing facilities are required. Please clarify whether the same is envisaged in the scope of the project. If yes, please elaborate the scope of the consultant for the same.	Establishment of environmental testing facilities as per statutory requirements will be part of the respective packages scope where environmental controls are envisaged. Consultant will review the engineering, construction management, commissioning supervision etc., as a part of overall scope.
38.	Environment	Kindly clarify the following: a) Whether Continuous online Automatic Weather Monitoring, Flowmeter and CCTV in case of ZLD to be considered in the offer. b) Kindly confirm that CAAQMS- 4nos and CEMS -21nos are the requirement for online Air Quality monitoring and online continuous Effluent monitoring System for inlet and outlet of ETP of COBP. c) In post commissioning whether performance evaluation by third party shall also be in scope.	Refer Appendix-1 of the amendment-1 Dt. 10.11.2021.

**\*NOTE: THE TECHNICAL CLARIFICATIONS GIVEN ABOVE ARE BASED ON THE PLANT CONCEPT DOCUMENT. DURING ENGINEERING BY THE PACKAGE SUPPLIERS AND REVIEW BY THE CONSULTANT THERE MAY BE CHANGES IN THE TECHNICAL REQUIREMENTS BASED ON THE ENGINEERING AND SITE CONDITIONS**