



**Maharashtra State Power Generation Company Ltd.
(Govt. Of Maharashtra Undertaking)**

Project and Planning Department, "Prakashgad"
3rd Floor, Bandra (East), Mumbai-51

Date:25.09.2024

Notice Inviting Tender

Bids are invited by Chief Engineer (P&P), Maharashtra State Power Generation Co. Ltd., 3rd Floor, Prakashgad, Bandra (East) Mumbai-400 051 for Tender on "EPC basis for Design, Engineering, Manufacturing, Inspection, Works, Supply at site, Civil Structural Works, Erection, Testing & Commissioning for Installation of BOP Package for Koradi 2x660 MW Project at Koradi, Nagpur"

(Tender Code (RFx) No. 3000046554)

The revised schedule is uploaded in SRM system. The details of same can be viewed on MAHAGENCO website www.mahagenco.in under Tenders-Head office Tenders, and <https://eprocurement.mahagenco.in>.

The bidders are required to visit www.mahagenco.in and or <https://eprocurement.mahagenco.in> for corrigendum/amendments, if any at a future date.

For further clarification, following engineers of Project & Planning can be contacted on

- 1) Supdt. Engineer, Project & Planning, Mob. No. 8828502488
- 2) Executive Engineer, Project & Planning, Mob. No.8879770743

Email:-cgmcpp@mahagenco.in

Sd/-
Chief Engineer(P&P),



MAHARASHTRA STATE POWER GENERATION CO. LTD.
E-Tender Notice (LOCAL COMPETITIVE BIDDING)

Bids are invited by Chief Engineer (P&P), Maharashtra State Power Generation Co. Ltd., 3rd Floor, Prakashgad, Bandra (East) Mumbai-400 051 for Tender on EPC basis for Design, Engineering, Manufacturing, Inspection, Works, Supply at site, Civil Structural Works, Erection, Testing & Commissioning for Installation of Balance of Plant (BOP) Package for Koradi 2x660 MW Project at Koradi, Nagpur.

Bid Specification No.	RFx No. 3000046554
Cost of Bid Documents	Rs.50000/- (Basic Cost) + Rs.9000/- (GST @18%) = Total cost Rs.59000/- (Rs. Fifty Nine Thousand only)
Sale of Bid Documents	13.03.2024, 15:00 Hrs to 22.10.2024, 15:00 Hrs.
Pre-bid Conference	15.07.2024, 11:00 Hrs.
Last Date of Acceptance of Tender Fee and Download of Tender Document	22.10.2024, 15:00 Hrs
Last Date for submission of Online bid (Techno-commercial and Price Bids)	23.10.2024 up to 15:00 Hrs.
Last Date for submission of bids (Techno-commercial) in physical form along with original BG for EMD	24.10.2024 up to 13:00 Hrs.
Due Date for opening of Part - 1 Bid (Techno-commercial Bid)	24.10.2024, 15:00 Hrs
Due date for opening Part - 2 bids i.e. Price bids of qualified bidders	Shall be notified later
Contact Office	Chief Engineer (P&P)
Office Telephone No.	022-69852200 (Extn.:3520)
Contact Person(s)	Superintending Engineer (P&P) - 8828502488 Executive Engineer (P&P)- 8879770743
E-mail	cgmpp@mahagenco.in
Qualifying Requirements and further details / any amendment/corrigendum /updates will be published only on website https://eprocurement.mahagenco.in . Interested bidders shall regularly check website for the same.	
Sd/- Chief Engineer (P&P)	

	MAHARASHTRA STATE POWER GENERATION CO. LTD.	Volume: I
	KORADI THERMAL POWER STATION 2x660 MW UNITS - 11 & 12 PROJECT (BOP PACKAGE)	Section: IFB
	RFx : 3000046554	REV: 00
	INVITATION FOR BIDS (IFB)	
MAHARASHTRA STATE POWER GENERATION CO. LTD. (MAHAGENCO) Projects and Planning Department 3rd Floor, Prakashgad, Prof. Anant Kanekar Marg, Bandra (East), Mumbai - 400 051 IFB No.: RFx. No. 3000046554 Date: 13.03.2024 DETAILED INVITATION FOR BIDS (IFB) (LOCAL COMPETITIVE BIDDING) FOR KORADI THERMAL POWER PROJECT 2X660 MW Unit - 11 & 12 (BOP Package) 1.0 Maharashtra State Power Generation Co. Ltd. (MAHAGENCO), invites online bids from eligible Indian Bidders on single stage Two Envelope system (i.e. Envelope (Part)-1 : Techno-commercial Bid and Envelope (Part)-2: Price Bid) for Design, engineering, manufacture, inspection, testing at Manufacturer's work, supply, forwarding to Site, Civil, Structural & Architectural Works, Marine-cum-Erection insurance, transportation, delivery, unloading, receipt at Site, storage at Site, erection, Testing and Commissioning and putting into operation of Balance of Plant (BoP package) and the associated auxiliaries, delivery to site of specified mandatory spares, special tools & tackles and 3 year O&M Spares (Recommended) as detailed in the accompanied specification for the proposed 2x660 MW Koradi T.P.S. Project on Engineering Procurement & Construction (EPC) Basis from eligible bidders. 2.0 The bid specification can be purchased online upon payment of Rs. 59,000/- (in words Rs. Fifty nine Thousand Only) i.e. Rs. 50,000/- (basic cost) + Rs. 9,000/- (GST@18%) thereon through Mahagenco's E-tendering (SRM) System as per schedule.		
Doc. No. P&P/Comm/KRD2x660/BOP/2024		Page 7

	MAHARASHTRA STATE POWER GENERATION CO. LTD.	Volume: I
	KORADI THERMAL POWER STATION 2x660 MW UNITS - 11 & 12 PROJECT (BOP PACKAGE)	Section: IFB
	RFx : 3000046554	REV: 00
	INVITATION FOR BIDS (IFB)	

3.0 The schedule for the bidding shall be as under :

Sr. No.	Event	Date & Time
1.	Start Date of Acceptance of Tender Fee by Mahagenco and Download of Tender Document	13.03.2024, 15:00 Hrs.
2.	Last Date for Acceptance of Queries/Comments from bidders.	04.04.2024, 17:00 Hrs:-
3.	Pre-bid Meeting	16.04.2024, 11:00 Hrs
4.	Last Date of acceptance of Tender Fee by Mahagenco and Download of Tender Document	03.05.2024, 15:00 Hrs
5.	Last Date for submission of Online bid (Techno-commercial and Price Bids) along with EMD	06.05.2024, 15:00 Hrs.
6.	Last Date for submission of bid (Techno-commercial) in physical form along with original BG for EMD	07.05.2024, 13:00 Hrs
7.	Due Date for Opening of Envelope (Part)-1 Bids (i.e.Techno-commercial Bids)	07.05.2024, 15:00 Hrs
8.	Due date for opening of Envelope (Part)-2 Bids (i.e. Price bids of qualified Bidders)	Shall be notified later

4.0 Minimum Qualifying Requirements for the Bidders: The bidder should meet below mentioned Qualifying Requirements in addition to the other conditions stipulated under Instructions to Bidders:

	MAHARASHTRA STATE POWER GENERATION CO. LTD.	Volume: I
	KORADI THERMAL POWER STATION 2x660 MW UNITS - 11 & 12 PROJECT (BOP PACKAGE)	Section: IFB
	RFx : 3000046554	REV: 00
	INVITATION FOR BIDS (IFB)	
4.1 (i) The bidder should have executed contracts on engineering, procurement and construction (EPC) basis for at least one (1) no. coal based/lignite based /power plant of installed capacity not less than 250 MW which has been commissioned during the last 10 years and has been in successful operation for at least one (1) year (from the date of achieving full load) as on 7 days prior to the date of opening of the bid. The scope of work of such reference plant should have necessarily included design, engineering, supply, erection and commissioning (or supervision of erection and commissioning) on turnkey basis (with all associated mechanical, electrical, civil and structural works) of either: (a) Main power plant equipment (Boiler - Turbine-generator or Gas Turbine- HRSG - STG) with all associated integral auxiliaries. Or (b) Coal/lignite handling plant, ash handling plant, cooling tower and water system (water treatment/waste water treatment, DM plant and circulating water system) of a coal / lignite based power plant. (ii) Alternatively, the bidder shall be a joint venture company incorporated in India and registered under Companies Act 1956, provided that eligibility criteria mentioned at paragraph 4.1 (i) above is met by one of the promoters or jointly by more than one promoter. Each promoter company on the basis of whom the joint venture company gets qualified shall have minimum 26 % equity in the JV company. The equity shall be locked in at least for a period of 5 years from date of bid opening or till the completion of the warranty period of the project whichever is later. The bidder and the promoter company (ies) on whose strength the JV company is qualified, shall be jointly and severally liable for the execution of the contract and an undertaking to this effect shall be submitted along with the bid. In case of award, the said promoter company (ies) shall be required to give separate on demand bank guarantee for an amount equal to 1 % of contract price in addition to the contract performance guarantee of 10 % of contract price to be furnished by the JVC. The JVC partner on whose experience the qualification is sought shall not be allowed to bid independently or as a member in a consortium for this bid.		
Doc. No. P&P/Comm/KRD2x660/BOP/2024		Page 9

	MAHARASHTRA STATE POWER GENERATION CO. LTD.	Volume: I
	KORADI THERMAL POWER STATION 2x660 MW UNITS - 11 & 12 PROJECT (BOP PACKAGE)	Section: IFB
	RFx : 3000046554	REV: 00
	INVITATION FOR BIDS (IFB)	
4.2 The bidder can submit the bid in his individual capacity or in consortium with other partner(s). In case of consortium, number of consortium partners should be limited to six (6). International consortium partner is also acceptable. One of the Indian consortium partners shall be the consortium leader. The consortium leader should either have executed any one of the items of Paragraph 4.1 (i) (b) or single EPC project of contract value of at least Rs. 300 crore in the area of power, steel, fertilizer or any other process industry. Each consortium partner should have experience of at least one(1) of the following BoP packages in power plant or industries (Steel / Aluminium / Zinc or Copper plant / Gas or Nuclear plant / Municipal water treatment & distribution system) and shall meet the qualifying requirements indicated in the Annexure-1 as applicable: 1. Coal Handling Plant 2. Ash Handling Plant 3. Cooling Towers: IDCT 4. DM Water Plant 5. Pre Treatment Plant 6. Effluent Treatment Plant (ETP) The consortium partners shall be jointly and severally responsible for the execution of the contract. The consortium agreement shall be furnished clarifying the split up of scope between consortium partners. Any of the members in a bidding consortium shall not separately participate as an independent bidder, as a member of any other consortium or as a promoter of JV company in the same bidding process. 4.3 Financial Criteria : a. The average annual turnover of the bidder should be at least Rs.422.40 Crore and that of consortium leader should be at least Rs. 100 Crore during the preceding three consecutive years, as applicable. The Bidder shall submit a copy of audited annual accounts statements as a documentary evidence of the same. In case, audited results for the last preceding financial year are not available, certification of financial statement		
Doc. No. P&P/Comm/KRD2x660/BOP/2024		Page 10

	MAHARASHTRA STATE POWER GENERATION CO. LTD.	Volume: I
	KORADI THERMAL POWER STATION 2x660 MW UNITS - 11 & 12 PROJECT (BOP PACKAGE)	Section: IFB
	RFx : 3000046554	REV: 00
	INVITATION FOR BIDS (IFB)	
with UDI number from practicing Chartered Accountant shall be acceptable. b. The bidder/consortium leader should have positive net worth as on the last day of preceding financial year. Net worth of the bidder/Consortium Leader as on the last day of preceding financial year shall not be less than 100 % of the paid up share capital. The bidder shall submit a copy of audited annual accounts statements as a documentary evidence of the same. In case, audited results for the last preceding financial year are not available, certification of financial statement with UDI number from practicing Chartered Accountant shall be acceptable. In case, bidder is a JVC and does not meet these requirements, the financial capability (average annual turnover) of at least one (1) of the JVC partners on whose experience the qualification is sought, shall meet the above turnover requirement. Note: 1. Net Worth means sum of paid up share capital and free reserves. Free reserves shall mean all reserves credited out of the profit and share premium account but not include reserves credited out of the revaluation of assets, write back of depreciation provision and amalgamation. Further, any debit balance in profit and loss account and miscellaneous expenses to the extent not adjusted or written off, if any, shall be reduced from the reserves and surplus. 2. Other income shall not be considered for arriving at annual turnover. 4.4 The performance bank guarantee shall be as under: i) In case of individual firm including JVC: 10 %/11 % (as the case maybe) of contract price. ii) In case of consortium comprising two or more members (leader + one or more consortium partners): Total performance bank guarantee (PBG) shall be 15 % of contract price which shall be divided between consortium leader and consortium partners as under: a) Consortium leader shall give PBG for at least 10 % of contract price.		
Doc. No. P&P/Comm/KRD2x660/BOP/2024		Page 11

	MAHARASHTRA STATE POWER GENERATION CO. LTD.	Volume: I
	KORADI THERMAL POWER STATION 2x660 MW UNITS - 11 & 12 PROJECT (BOP PACKAGE)	Section: IFB
	RFx : 3000046554	REV: 00
	INVITATION FOR BIDS (IFB)	
b) Balance 5 % PBG shall be divided between consortium leader and consortium partners at the discretion of consortium leader. However, each consortium partner shall give PBG for at least 1 % of total contract price. 4.5 Bidder shall furnish along with Bid, the proof of Tie-up till completion of the Project with Engineering Consultancy Company having experience of detailed Engineering of at least 2 nos. of 210 MW or 1 no. of 500 MW or above of coal fired power stations in India. After award of Contract, Consultant shall furnish Bank Guarantee of Rs.1 Crore to the Contractor valid till 90 days beyond the expiry of the guarantee period and subsequently the Bank Guarantee shall be assigned in favour of MahaGenCo. OR Bidders having in-house engineering set up shall submit the details to the satisfaction of Owner of Infrastructure of engineering set up, details of staff, computer facility and software used for Thermal projects along with the Bid document and shall also submit the documentary proof of substantially executed Balance of Plant Package with in- house engineering set-up of at least 2 nos. of 210 MW or 1 no. of 500 MW or above Thermal Power Projects. The Bidder to confirm that the in-house engineering set-up shall be available till completion of the project. The decision of the owner with regard to the acceptability of the in-house engineering consulting capabilities will be final and binding. Bidder shall not appoint Owner's Engineering Consultant. Two Bidders shall not have Tie up with the same engineering consultant. Such bids shall be out rightly rejected. 4.6 The bidder shall provide satisfactory evidence that he and/or, where applicable, the consortium members: i) have adequate financial stability and status to meet the financial obligations pursuant to the works covered in the bidding documents. ii) have adequate capability and capacity to perform the work properly and expeditiously within the time period specified. The evidence shall		
Doc. No. P&P/Comm/KRD2x660/BOP/2024		Page 12

	MAHARASHTRA STATE POWER GENERATION CO. LTD.	Volume: I
	KORADI THERMAL POWER STATION 2x660 MW UNITS - 11 & 12 PROJECT (BOP PACKAGE)	Section: IFB
	RFx : 3000046554	REV: 00
	INVITATION FOR BIDS (IFB)	
specifically cover, with written details, the installed manufacturing and/or fabrication capacities to meet the requirements appropriate to the works covered in his bid. The details of alternative arrangements to be organized by the bidder for this purpose and which shall meet the employer's approval shall be furnished iii) have an adequate field service organization to provide the necessary field erection and management services required to successfully erect, test and commission the equipment/system as required by the bidding documents. 4.7 Annexure-1 Qualifying requirements for selection of sub-vendor by EPC bidder 1. COAL HANDLING PLANT: Bidder/Sub vendor should have executed at least one(1) number integrated bulk material handling plant of minimum 1000 Metric tonnes per hour rated capacity or above for coal or other minerals of equivalent volumetric capacity (essentially comprising of conveying and crushing) including mechanical and electrical works involving design, manufacture (or got manufactured), supply, erection & commissioning (or supervision of erection and commissioning) which should have been in successful operation for at least one(1) year prior to date of issue of letter of award. OR Bidder/Sub vendor who has only conveying experience of any bulk material handling plant of minimum 1000 Metric tonnes per hour rated capacity or above for coal or other minerals of equivalent volumetric capacity including mechanical and electrical works involving design, manufacture, supply, erection & commissioning (or supervision of erection and commissioning) which should have been in successful operation for at least one(1) year prior to date of issue of letter of award, should have collaborated/ associated with a design agency who has designed at least one(1) number integrated bulk material handling plant (essentially comprising of conveying and crushing) of 1000 Metric tonnes per hour rated capacity or above for coal or other minerals of equivalent volumetric capacity which should have been in successful operation for at least one (1) year prior to date of issue of letter of award. In such a case, the bidder shall be required to furnish a letter of support from the design		
Doc. No. P&P/Comm/KRD2x660/BOP/2024		Page 13

	MAHARASHTRA STATE POWER GENERATION CO. LTD.	Volume: I
	KORADI THERMAL POWER STATION 2x660 MW UNITS - 11 & 12 PROJECT (BOP PACKAGE)	Section: IFB
	RFx : 3000046554	REV: 00
	INVITATION FOR BIDS (IFB)	
agency for successful performance of Coal Handling Plant. The format for the same is attached as Annexure-A. 2. ASH HANDLING PLANT: 2.1 Bidder/Sub-vendor(s) should have executed at least one (1) ash handling plant involving design, engineering, manufacture (or got manufactured), supply, erected & commissioned (or supervised erection and commissioning) comprising the following systems which should have been in successful operation for at least one (1) year prior to date of issue of letter of award. (a) Bottom ash handling system comprising jet pump system in conjunction with water impounded bottom ash hopper or submerged scraper chain conveyor system designed for following conveying capacities in TPH (dry ash basis) or more for coal/lignite fired boilers. Jet Pump System : 50 TPH (Dry ash basis) or more per Jet pump Submerged Scraper Chain conveyor: 20 TPH (Dry ash basis) or more per scraper chain conveyor. (b) Pneumatic fly ash handling system for conveying fly ash from ESPs of a coal/lignite fired boiler by : Pressure conveying system designed for 30 TPH or more conveying capacity. AND Pneumatic fly ash transportation system for transporting fly ash from a coal/lignite fired boiler unit having capacity of not less than 20 TPH for a conveying distance of not less than 500 m. Ash slurry disposal system comprising ash slurry pumps and piping for handling not less than 600 M³/Hr with pump discharge head of 20 MWC for coal/lignite fired boiler. Note: In case bidder/sub-vendor is not meeting requirement of water impounded bottom ash hopper referred under clause 2.1(a) then bidder shall collaborate with the design agency for vetting/carrying out the design and engineering activity of water impounded bottom ash hopper referred under para 2.1 (a). Design agency for water impounded bottom ash hopper can be either bottom ash system supplier meeting the		
Doc. No. P&P/Comm/KRD2x660/BOP/2024		Page 14

	MAHARASHTRA STATE POWER GENERATION CO. LTD.	Volume: I
	KORADI THERMAL POWER STATION 2x660 MW UNITS - 11 & 12 PROJECT (BOP PACKAGE)	Section: IFB
	RFx : 3000046554	REV: 00
	INVITATION FOR BIDS (IFB)	
qualification of clause 2.1(a) or reputed/renowned Indian Technical Institution. In such a case, the bidder shall be required to furnish a letter of support from the Design agency for successful performance of water impounded bottom ash hopper. The format for the same is attached as Annexure-A. 2.2 Bidder/Sub-vendor who is a supplier of ash handling systems but does not meet the requirements under clause 2.1 in full can also participate provided it has executed at least the following systems of ash handling plant involving design, engineering, manufacturing (or got manufactured), supply, erected & commissioned (or supervised erection and commissioning) : (a) One (1) Bottom ash handling system comprising either a jet pump system in conjunction with water impounded Bottom Ash Hopper or submerged scraper chain conveyor system or dry bottom ash system. (b) One (1) Fly Ash Handling System for conveying fly ash from ESPs in dry form involving pneumatic conveying systems of vacuum or pressure type or in wet (slurry) form. The systems mentioned at 2.2 (a) and (b) above should have been in successful operation in at least one (1) plant for at least one (1) year prior to date of issue of letter of award and have been installed for coal/lignite fired boiler units generating not less than 40 TPH of ash per boiler. AND Collaborate(s)/associate(s) with party (ies) who meet(s) either the total requirement or the balance part under clause 2.1 above for which the bidder/sub-vendor himself is not able to meet. Note: In case bidder/sub-vendor is not meeting requirement of water impounded bottom ash hopper referred under clause 2.2(a) then bidder shall collaborate with the design agency for vetting/carrying out the design and engineering activity of water impounded bottom ash hopper. Design agency for water impounded bottom ash hopper can be either bottom ash system supplier meeting the qualification of clause 2.2(a) or reputed/renowned Indian Technical Institution.		
Doc. No. P&P/Comm/KRD2x660/BOP/2024		Page 15

	MAHARASHTRA STATE POWER GENERATION CO. LTD.	Volume: I
	KORADI THERMAL POWER STATION 2x660 MW UNITS - 11 & 12 PROJECT (BOP PACKAGE)	Section: IFB
	RFx : 3000046554	REV: 00
	INVITATION FOR BIDS (IFB)	
In such a case, the bidder shall be required to furnish a letter of support from the design agency for successful performance of water impounded bottom ash hopper. The format for the same is attached as Annexure-A. 3. INDUCED DRAFT COOLING TOWER (IDCT) 3.1 Bidder/Sub-vendor should have designed, constructed and commissioned at least one (1) number Induced Draught Cooling Tower (IDCT) in RCC or Pultruded Fiberglass Reinforced Plastic (FRP) Construction of capacity not less than 13000m³ /hr which should have been in successful operation for at least one (1) year prior to date of issue of letter of award. The reference IDCT should be of the same type i.e. counter flow or cross flow and of the same construction i.e. RCC construction or FRP construction as being offered by bidder/sub-vendor. 3.2 In case the reference IDCT was designed by a party other than the bidder/sub vendor, the bidder shall collaborate with a design agency, which has independently designed an IDCT of same type as being offered of capacity not less than 13,000 m³ /hr in RCC or Pultruded FRP construction and which should have been in successful operation for at least one (1) year prior to date of issue of letter of award Further, if such design agency has not carried out the engineering activities by itself in respect of the reference IDCT against which the design agency is seeking the qualification, then the bidder shall collaborate with an engineering agency which should have engineered an IDCT of same type as being offered of capacity not less than 13,000 m³ /hr in RCC or Pultruded FRP construction and which should have been in successful operation for at least one(1) year prior to the date of issue of letter of award. 3.3 In case the reference IDCT is of different construction as being offered by the bidder/sub-vendor, the bidder shall collaborate with a structural design agency, which has independently designed structure of IDCT of the same construction as being offered by the bidder/sub-vendor of capacity not less than 13,000 m³ /hr and which should have been in successful operation for at least one (1) year prior to the date of issue of letter of award. In case of 3.2 and 3.3, the bidder shall be required to furnish a letter of technical support from the IDCT design agency/structural design agency/		
Doc. No. P&P/Comm/KRD2x660/BOP/2024		Page 16

	MAHARASHTRA STATE POWER GENERATION CO. LTD.	Volume: I
	KORADI THERMAL POWER STATION 2x660 MW UNITS - 11 & 12 PROJECT (BOP PACKAGE)	Section: IFB
	RFx : 3000046554	REV: 00
	INVITATION FOR BIDS (IFB)	
engineering agency (as applicable) for successful performance of IDCT. The format for the same is attached as Annexure-A. 4. DEMINERALIZING (DM) PLANT: Bidder/Sub-vendor should have designed, supplied, erected and commissioned at least one (1) number of ion exchange based demineralizing (DM) plant of minimum capacity of 60 m³ /hr consisting of at least one (1) stream capable of producing outlet water quality with silica and conductivity not more than 0.02 ppm as SiO₂ and 0.2 micro mho/cm respectively which should have been in successful operation for at least one (1) year prior to date of issue of letter of award. OR In case, the bidder/sub-vendor offers reverse osmosis with mixed bed combination plant for production of DM water, the bidder/sub-vendor should have designed, supplied, erected and commissioned at least one (1) number reverse osmosis with mixed bed combination plant of minimum capacity of 60 m³ /hr consisting of at least one (1) stream capable of producing outlet water quality with silica and conductivity not more than 0.02 ppm as SiO₂ and 0.2 micro mho/cm respectively which should have been in successful operation for at least one (1) year prior to date of issue of letter of award. 5. PRE-TREATMENT PLANT(if applicable): Bidder/Sub-vendor should have designed, supplied, erected and commissioned (or supervised erection and commissioning) of at least one (1) number Pre-Treatment Plant (PTP) / Effluent Treatment Plant (ETP), including civil works, with a total capacity of at least 1000 m³ /hr comprising of clarifiers/tube settlers/thickeners or a combination thereof which should have been in successful operation for at least one (1) year prior to date of issue of letter of award. 6. EFFLUENT TREATMENT PLANT: Bidder/Sub-vendor should have designed, supplied, erected and commissioned at least one (1) number Pre-Treatment Plant (PTP) / Effluent Treatment Plant (ETP), having a capacity of at least 300 m³ /hr comprising of		
Doc. No. P&P/Comm/KRD2x660/BOP/2024		Page 17

	MAHARASHTRA STATE POWER GENERATION CO. LTD.	Volume: I
	KORADI THERMAL POWER STATION 2x660 MW UNITS - 11 & 12 PROJECT (BOP PACKAGE)	Section: IFB
	RFx : 3000046554	REV: 00
	INVITATION FOR BIDS (IFB)	
clarifiers/ tube settlers/ thickeners or a combination thereof, which should have been in successful operation for at least one(1) year prior to date of issue of letter of award. 7. STACKER CUM RECLAIMER (in case it is excluded from CHP Package) Bidder/Sub vendor should have designed, manufacture (or got manufactured), supplied, erected & commissioned (or supervised erection and commissioning) at least one (1) number Stacker cum Reclaimer of rated capacity of 1000(stacking) and 1000 (reclaiming) Metric tonnes per hour (or above) for coal or other mineral of equivalent volumetric capacity which should have been in successful operation for at least one (1) year prior to date of issue of letter of award. 8. TANDEM /TWIN WAGON TIPPLER (in case it is part of supply of CHP package): Bidder/Sub vendor should have designed, manufactured (or got manufactured), supplied, erected & commissioned (or supervised erection and commissioning) at least one (1) number Tandem/ Twin wagon tippler suitable for tipping 25 tips/hour of Indian Railway Wagons used for transportation of coal or other minerals as per latest RDSO guidelines which should have been in successful operation for at least one (1) year prior to date of issue of letter of award. OR Bidder/Sub vendor who has previously not supplied any Tandem/Twin wagon tippler can also qualify provided the bidder/sub vendor should have manufactured (or got manufactured), supplied, erected & commissioned (or supervised erection and commissioning) including all associated mechanical, structural steel works and electrical works of at least one (1) number side discharge wagon tippler / rotary type wagon tippler suitable for tipping as per latest RDSO guidelines which should have been in successful operation for at least one (1) year prior to date of issue of letter of award AND Bidder/Sub vendor collaborates with any of the reputed Original Equipment Manufacturers (OEMs) who has designed at least one (1) number Tandem/Twin wagon tippler in India or internationally which should have		
Doc. No. P&P/Comm/KRD2x660/BOP/2024		Page 18

	MAHARASHTRA STATE POWER GENERATION CO. LTD.	Volume: I
	KORADI THERMAL POWER STATION 2x660 MW UNITS - 11 & 12 PROJECT (BOP PACKAGE)	Section: IFB
	RFx : 3000046554	REV: 00
	INVITATION FOR BIDS (IFB)	
been in successful operation for at least one (1) year prior to date of issue of letter of award. In such a case, the bidder/sub vendor shall be required to furnish a letter of support from the OEM i.e. design agency for successful performance of Tandem/Twin wagon tippler. The format for the same is attached as Annexure-A. Note: i. Wherever the term 'coal fired' is appearing above, 'coal' shall be deemed to also include bituminous coal/sub-bituminous coal/brown coal/lignite. ii. Erection/Commissioning Where erection / supervision of erection and commissioning / supervision of commissioning has not been in the scope of the Bidder as mentioned in clauses above, it should have acted as an advisor for erection and commissioning of the Balance Of Plant packages , as the case may be. Necessary documents / certificates from the client, in support of above shall be furnished along with the techno-commercial bid. iii. Equity lock in period Wherever equity lock in period requirement is indicated, the Bidder would be required to furnish along with his techno-commercial bid, a Letter of Undertaking from the promoter(s) supported by Board Resolution as per the format enclosed in the bid documents, for maintaining required minimum equity for the lock in period mentioned. 4.8 The bidder must submit the relevant information regarding financial and commercial particulars in the appropriate columns of Annexure - III and the details regarding his experience to meet the qualification requirement in the Annexure - IV, enclosed with the Bid Specification. 4.9 Notwithstanding anything stated above, the Owner reserves the right to assess Bidder's capability and capacity to perform, should the circumstances warrant such assessment in the overall interest of the Owner.		
Doc. No. P&P/Comm/KRD2x660/BOP/2024		Page 19

	MAHARASHTRA STATE POWER GENERATION CO. LTD.	Volume: I
	KORADI THERMAL POWER STATION 2x660 MW UNITS - 11 & 12 PROJECT (BOP PACKAGE)	Section: IFB
	RFx : 3000046554	REV: 00
	INVITATION FOR BIDS (IFB)	
4.10 Directives of GoI for “Restrictions on procurement from a Bidder of a country which shares a land border with India”, shall be applicable. 4.11 All above Qualifying Requirements should be read in totality and not in isolation. 5.0 Tendering process : 5.1 Single Tender (E-Bid) for 2x 660 MW (Units-11&12 BOP Package) at Koradi Thermal Power Station is invited from eligible Indian Bidders on Single Stage, Two Envelope System (i.e. Envelope (Part)-1 : Techno-commercial Bid and Envelope (Part)-2: Price Bid) for the brief scope of work mentioned in relevant section. 5.2 Selection of successful bidder for award of contract shall be done by following process as detailed in Clause No. 31.0, Section-I, Volume-I. 6.0 Bid Security: The bidder shall have to deposit an interest free Bid Security i.e. unconditional Earnest Money Deposit (EMD) amounting to Rs. 15,00,00,000/- (In words INR Fifteen Crore only) along with the bid in the form stipulated in the bid specification. 7.0 For accessing the tender document visit our website:- https://eprocurement.mahagenco.in. The bidders already registered for Mahagenco SRM e-tendering system can access/download the tender after due payment of tender fees. 8.0 For the bidders who are not registered with Mahagenco SRM e-tendering system, required to be registered with Mahagenco. Registration will be done after furnishing and physical verification of the required documents/details of the company. The registration procedure is given on https://eprocurement.mahagenco.in Documentation, section. 9.0 The Pre-bid meeting shall be conducted at owners office. 10.0 The bidders who have purchased the bid and the prospective bidders who are willing to participate in the meeting are requested to submit the following details: 1. Name of Company & address 2. Name of Person participating in the meeting 3. Email id & Mobile no. of the above person 11.0 Please submit the above details before Pre-bid meeting on Mahagenco’s email ID cgmhpp@mahagenco.in		
Doc. No. P&P/Comm/KRD2x660/BOP/2024		Page 20

	MAHARASHTRA STATE POWER GENERATION CO. LTD.	Volume: I
	KORADI THERMAL POWER STATION 2x660 MW UNITS - 11 & 12 PROJECT (BOP PACKAGE)	Section: IFB
	RFx : 3000046554	REV: 00
	INVITATION FOR BIDS (IFB)	
12.0 Mahagenco does not bind itself to accept the lowest or any of the bids and reserves the right to accept any bid or reject any or all bids without assigning any reasons thereof. 13.0 Mahagenco reserves the right to withdraw this Invitation for Bids or cancel the bidding process at any time without assigning any reason for such decision. 14.0 The bidders are required to visit www.mahagenco.in and or https://eprocurement.mahagenco.in, for corrigendum/amendments, if any at a future date. For further clarification, contact details are as under, Superintending Engineer (P&P) - 022-69852200/022-69853535 (Extn.3752) 8828502488 Executive Engineer (P&P) - 022-69852200/022-69853535 (Extn.3729) 8879770743 Sd/- Chief Engineer (P&P) Mahagenco, Mumbai -400 051		
Doc. No. P&P/Comm/KRD2x660/BOP/2024 Page 21		

Sr No.	Volume/ Section/Clause	Existing Stipulation	To be read as
1	IFB Clause 4.1(ii) Vol 1 Section 1 clause 4.1(ii)	4.1 (ii) Alternatively, the bidder shall be a joint venture company incorporated in India and registered under Companies Act 1956, provided that eligibility criteria mentioned at paragraph 4.1 (i) above is met by one of the promoters or jointly by more than one promoter. Each promoter company on the basis of whom the joint venture company gets qualified shall have minimum 26 % equity in the JV company. The equity shall be locked in at least for a period of 5 years from date of bid opening or till the completion of the warranty period of the project whichever is later. The bidder and the promoter company (ies) on whose strength the JV company is qualified, shall be jointly and severally liable for the execution of the contract and an undertaking to this effect shall be submitted along with the bid. In case of award, the said promoter company (ies) shall be required to give separate on demand bank guarantee for an amount equal to 1 % of contract price in addition to the contract performance guarantee of 10 % of contract price to be furnished by the JVC. The JVC partner on whose experience the qualification is sought shall not	4.1 (ii) Alternatively, the bidder shall be a joint venture company incorporated in India and registered Companies Act 1956 Companies Act 2013, provided that eligibility criteria mentioned at paragraph 4.1 (i) above is met by one of the promoters or jointly by more than one promoter. Each promoter company on the basis of whom the joint venture company gets qualified shall have minimum 26 % equity in the JV company. The equity shall be locked in at least for a period of 5 years from date of bid opening or till the completion of the warranty period of the project whichever is later. The bidder and the promoter company (ies) on whose strength the JV company is qualified, shall be jointly and severally liable for the execution of the contract and an undertaking to this effect shall be submitted along with the bid. In case of award, the said promoter company (ies) shall be required to give separate on demand bank guarantee for an amount equal to 1 % of contract price in addition to the contract performance guarantee of 10 % of contract price to be furnished by the JVC. The JVC partner on whose experience the

		be allowed to bid independently or as a member in a consortium for this bid.	qualification is sought shall not be allowed to bid independently or as a member in a consortium for this bid.
2	IFB Clause 4.2 Vol 1 Section 1 clause 4.2	The bidder can submit the bid in his individual capacity or in consortium with other partner(s). In case of consortium, number of consortium partners should be limited to six (6). International consortium partner is also acceptable. One of the Indian consortium partners shall be the consortium leader. The consortium leader should either have executed any one of the items of Paragraph 4.1 (i) (b) or single EPC project of contract value of at least Rs. 300 crore in the area of power, steel, fertilizer or any other process industry. Each consortium partner should have experience of at least one(1) of the following BoP packages in power plant or industries (Steel / Aluminium / Zinc or Copper plant / Gas or Nuclear plant / Municipal water treatment & distribution system) and shall meet the qualifying requirements indicated in the Annexure-1 as applicable: 1. Coal Handling Plant 2. Ash Handling Plant 3. Cooling Towers: IDCT 4. DM Water Plant	The bidder can submit the bid in his individual capacity or in consortium with other partner(s). In case of consortium, number of consortium partners should be limited to six (6). International consortium partner is also acceptable. One of the Indian consortium partners shall be the consortium leader. The consortium leader should either have executed any one of the items of Paragraph 4.1 (i) (b) or single EPC project of contract value of at least Rs. 300 crore in the area of power, steel, fertilizer or any other process industry. Each consortium partner should have experience of at least one(1) of the following BoP packages in power plant or industries (Steel / Aluminium / Zinc or Copper plant / Gas or Nuclear plant / Municipal water treatment & distribution system) and shall meet the qualifying requirements indicated in the Annexure-1 as applicable: 1. Coal Handling Plant 2. Ash Handling Plant 3. Cooling Towers: IDCT 4. DM Water Plant

	MAHARASHTRA STATE POWER GENERATION CO. LTD.		
	Tender RFx No. 3000046554		
	CORRIGENDUM-1		Page : 3
		5. Pre Treatment Plant 6. Effluent Treatment Plant (ETP) The consortium partners shall be jointly and severally responsible for the execution of the contract. The consortium agreement shall be furnished clarifying the split up of scope between consortium partners. Any of the members in a bidding consortium shall not separately participate as an independent bidder, as a member of any other consortium or as a promoter of JV company in the same bidding process.	5. Pre Treatment Plant 6. Effluent Treatment Plant (ETP) The consortium partners shall be jointly and severally responsible for the execution of the contract. The consortium agreement shall be furnished clarifying the split up of scope between consortium partners. Any of the members in a bidding consortium shall not separately participate as an independent bidder, as a member of any other consortium or as a promoter of JV company in the same bidding process. Consortium as a whole should meet the criteria as mentioned at Clause 4.1(i) (b) to cover all the major BoP packages

Sr N o.	Volume/ Section/ Clause	Existing Stipulation	To be read as
1	IFB Clause 4.2 Vol 1 Section 1 clause 4.2	The bidder can submit the bid in his individual capacity or in consortium with other partner(s). In case of consortium, number of consortium partners should be limited to six (6). International consortium partner is also acceptable. One of the Indian consortium partners shall be the consortium leader. The consortium leader should either have executed any one of the items of Paragraph 4.1 (i) (b) or single EPC project of contract value of at least Rs. 300 crore in the area of power, steel, fertilizer or any other process industry. Each consortium partner should have experience of at least one(1) of the following BoP packages in power plant or industries (Steel / Aluminium / Zinc or Copper plant / Gas or Nuclear plant / Municipal water treatment & distribution system) and shall meet the qualifying requirements indicated in the Annexure-1 as applicable: 1. Coal Handling Pant 2. Ash Handling Plant 3. Cooling Towers: IDCT 4. DM Water Plant 5. Pre Treatment Plant	The bidder can submit the bid in his individual capacity or in consortium with other partner(s). In case of consortium, number of consortium partners should be limited to five (5) six (6). International consortium partner is also acceptable. One of the Indian consortium partners shall be the consortium leader. The consortium leader should either have executed any one of the items of Paragraph 4.1 (i) (b) packages (i.e. Coal/lignite handling plant, ash handling plant, cooling tower and of a coal/lignite based power plant) or single EPC project of contract value of at least Rs. 300 crore in the area of power, steel, fertilizer or any other process industry. Each consortium partner should have experience of at least one(1) of the following BoP packages in power plant or industries (Steel / Aluminium / Zinc or Copper plant / Gas or Nuclear plant / Municipal water treatment & distribution system) and shall meet the qualifying requirements indicated in the Annexure-1 as applicable: 1. Coal Handling Pant 2. Ash Handling Plant 3. Cooling Towers: IDCT 4. DM Water Plant 5. Pre Treatment Plant

Sr N o.	Volume/ Section/Cl ause	Existing Stipulation	To be read as
		6. Effluent Treatment Plant (ETP) The consortium partners shall be jointly and severally responsible for the execution of the contract. The consortium agreement shall be furnished clarifying the split up of scope between consortium partners. Any of the members in a bidding consortium shall not separately participate as an independent bidder, as a member of any other consortium or as a promoter of JV company in the same bidding process.	6. Effluent Treatment Plant (ETP)/STP These packages shall be in successful operation for a period of not less than one (1) year as on 7 days prior to the date opening of bid. The consortium leader shall be jointly and severally responsible for the execution of the contract including the contractual obligations of all other consortium partners. The consortium partners shall be required to jointly enter into a legally enforceable Consortium agreement and furnish the agreement along with the techno-commercial bid. Each of the consortium partner shall be responsible and liable to the owner to perform all contractual obligations related to their respective scope and associated works (limited joint and several responsibility), valid for a period of 7 years from the date of formation of consortium or up to end of defect liability period of the contract whichever is later, as per the format included in the bidding documents. The consortium agreement shall be furnished clarifying the split up of scope between consortium partners. Submission of consortium agreement is mandatory requirement and non submission shall lead to rejection of bid. Any of the members in a

		MAHARASHTRA STATE POWER GENERATION CO. LTD.	
		Tender RFx No. 3000046554	
		Amendment -1	Page : 3
Sr N o.	Volume/ Section/Cl ause	Existing Stipulation	To be read as
			bidding consortium shall not separately participate as an independent bidder, as a member of any other consortium or as a promoter of JV company in the same bidding process. Consortium as a whole should meet the criteria as mentioned at Clause 4.1(i) (b) to cover all the major BoP packages
2	4.7 Annexure 1 Serial number 4	Bidder/Sub-vendor should have designed, supplied, erected and commissioned at least one (1) number of ion exchange based demineralizing (DM) plant of minimum capacity of 60 m³ /hr consisting of at least one (1) stream capable of producing outlet water quality with silica and conductivity not more than 0.02 ppm as SiO₂ and 0.2 micro mho/cm respectively which should have been in successful operation for at least one (1) year prior to date of issue of letter of award. OR In case, the bidder/sub-vendor offers reverse osmosis with mixed bed combination plant for production of DM water, the bidder/sub-vendor should have designed, supplied, erected and commissioned at least one (1)	Bidder/Sub-vendor should have designed, supplied, erected and commissioned at least one (1) number of ion exchange based demineralizing (DM) plant of minimum capacity of 60 m³ /hr consisting of at least one (1) stream capable of producing outlet water quality with silica and conductivity not more than 0.02 ppm as SiO₂ and 0.2 micro mho/cm respectively which should have been in successful operation for at least one (1) year prior to date of issue of letter of award. OR In case, the bidder/sub-vendor offers reverse osmosis with mixed bed combination plant for production of DM water, the bidder/sub-vendor should have designed, supplied, erected and commissioned at least one (1)

Sr N o.	Volume/ Section/Clause	Existing Stipulation	To be read as
		number reverse osmosis with mixed bed combination plant of minimum capacity of 60 m ³ /hr consisting of at least one (1) stream capable of producing outlet water quality with silica and conductivity not more than 0.02 ppm as SiO ₂ and 0.2 micro mho/cm respectively which should have been in successful operation for at least one (1) year prior to date of issue of letter of award.	number reverse osmosis with mixed bed combination plant of minimum capacity of 60 m³ /hr consisting of at least one (1) stream capable of producing outlet water quality with silica and conductivity not more than 0.02 ppm as SiO₂ and 0.2 micro mho/cm respectively which should have been in successful operation for at least one (1) year prior to date of issue of letter of award.