

1. Scope of Supply of Plant and Services

GENERAL DESCRIPTION OF PROJECT AND SCOPE OF WORK

1.0 INTRODUCTION:

1.01 Madhya Pradesh Power Transmission Company, has applied for loan assistance from ADB and intends to use for the scope covered under the present Bid Document for Construction of 400 and 220kV sub-stations, Augmentation work, feeder bay work with related civil work, transmission lines, testing and commissioning on total turnkey basis (Lot-1 and 2).

1.02 The scope of work involves supply of all Transmission Line material and Sub-station Equipments including Reactor, Power Transformers, Station Transformers, Fabricated, Galvanized Substation Structures and other materials, with related civil works, erection work and testing/commissioning. The bidder shall furnish full particulars as called for in addition to filling and completing the schedules annexed to this specification.

1.03 The scope of work under this bid covers the following:

Lot No.	Lot Name	Details of Works/ Project Sites		Work category as per clause 1.04
Lot 1	Construction of new 400kV sub-stations, transmission lines and Augmentation work/feeder bay work on total turnkey basis.	Work 1	Line in Line Out of 400 kV Seoni to Bhilai S/C line at 400/132 kV substation Balaghat/Kirnapur (Double Circuit Double Strung transmission line, Route length 5 KM)	
			Creation of new 400/132kV substation Balaghat/Kirnapur	A
		Work 2	Line in Line Out of both circuits of 400 kV Nagda - Rajgarh line at 400/132 kV substation Badnawar (Double Circuit Double Strung transmission line, Route length 10 KM)	
			Creation of new 400/220 kV substation Badnawar	B
		Work 3	Installation of 315 MVA 400/220 kV Additional Transformer at existing 400 kV Substation Bhopal.	C2
		Work 4	Installation of 315 MVA 400/220kV Additional Transformer at existing 400kV Substation Chhegaon.	C1
Lot 2	Construction of new 220kV sub-stations, transmission lines and Augmentation work/feeder bay work on total turnkey basis.	Work 1	Installation of 125 MVAR 400kV Bus Reactor at existing 400kV Substation Nagda.	D
			Line in Line Out of one circuit of Ashta(400kV) to Dewas(220kV) 220kV double circuit line at Chapda 220kV Substation (Route length 35 KM)	
		Work 2	Upgradation of Chapda Substation from 132kV to 220kV	E
			Construction of 220kV Double Circuit double Strung transmission line from Pithampur 400kV Substation to Depalpur 220kV Substation (Route length 35 KM)	
			Upgradation of Depalpur Substation from 132kV to 220kV	F
		Work 3	Construction of 1 No. 220kV feeder bay at existing 400kV Substation Pithampur	
			Line in Line Out of one circuit of Bhopal to Hoshangabad 220kV double circuit line at Adampur 220kV Substation (Route length 5 KM)	
		Work 4	Creation of new 220/33kV substation Adampur	G
		Work 5	Line in Line Out of both circuits of Badnagar to Raltam 220kV double circuit line at Badnawar 400kV Substation (Route length 20 KM)	
			Construction of 220 kV Double Circuit Double Strung transmission line from Julwaniya 400kV Substation to Kukshi 220kV Substation (Route length 80 KM)	

line crossing structures and any such materials required for erection work shall also be provided by the successful Bidder.

- 1.07** Employer shall provide two sets of structural drawings, Bill of Materials and foundation drawings of 400kV & 220kV Double Circuit/ Multi Circuit towers, their body extensions, river/ line crossing structures (Gantries) and sub-station structures to the contractor along with the order. The contractor shall prepare Workshop drawings for fabrication of each type of tower/structure promptly. Before taking up the mass fabrication, the contractor will fabricate proto assembly of each type of tower/structure and offer the same for inspection. Proto assembly of each type of tower/structure shall be inspected by Employer's authorized representative.

1.08 Specification & general requirement, scope of Civil works & bill of quantity

The works are to be executed in accordance with the specifications mentioned in the USR of Water Resources Deptt. Govt. of MP effective from 1.2.2009 (with amendments) where there is a difference in the size, quality and quantity of materials to be used in wording of standard specification book and the description of item in Schedule of this tender, the size, quality and quantity of the material to be used shall be as per the wording of the item in schedule of this bid.

The works include clearing of the site before the commencement of works, setting out the works, establishment of centre lines and the bench marks firmly, clearing and cleaning of the works and surrounding area and clearing the construction debris laying at site after completion without any extra cost to the department.

The various rates quoted shall be treated as inclusive of all T&P, labour, material, transport charges, leads, lifts, taxes, duties, royalties etc. The lift above or below ground level is also not payable. Nothing extra on any account is payable unless otherwise specified in the items. The concrete items are inclusive of form work.

- 1.09** The above scope of work is indicative and the detailed scope of work for supply, civil & erection work is given in the Technical Specifications of Bidding Documents.

- 1.10** While preparing the bid price for (i) the plants for which quantities have been indicated as lumpsum or lot or set and/ or (ii) where the quantities are to be estimated by the Bidder shall remain constant unless there is change made in the Scope of Work by EMPLOYER. The quantities and unit prices (i) subsequently arrived while approving the Bill of Quantities (BOQ)/ Billing breakup of lumpsum quantities/lot/Set and/or (ii) estimated by the bidder shall be for on account payment purpose only. In case additional quantities, over and above the quantities BOQ/billing breakup and /or estimated by the bidder, are required for successful completion of the scope of work as per Specification, the Bidder shall execute additional quantities of these items for which no additional payment shall be made over and above the lumpsum bid price. In case quantities of these items supplied at site are in excess of that required for successful completion of scope of work, such additional quantities shall be the property of the bidders and they shall be allowed to take back the same from the site for which no deduction from the lumpsum bid price shall be made. Further, in case actual requirement of quantities for successful completion of scope of work is less than the quantities identified in the approved BOQ /billing breakup and/or estimated by the bidder, the lumpsum bid price shall remain unchanged and no deduction shall be made from the lumpsum price due to such reduction of quantities & such additional quantities shall be the property of Employer.

Set/ Lot/ Lumpsum shall be governed as per the requirement of the corresponding item description read in conjunction with relevant provisions of Specifications.

- 1.11** ~~In case the estimated quantity of various works covered in Lot 1 or Lot 2 is in excess of actual requirement as per completion of works, the Employer may consider to procure extra quantity of equipment and material as per our requirement, within the total contract price for which separate~~