



## The West Bengal Power Development Corporation Limited

(A Government of West Bengal Enterprise)

### Kolaghat Thermal Power Station

P.O. Mecheda, Dist. Purba Medinipur, Pin – 721137

#### Office of the Sr. Manager (S&P)

NIT No : WBPDC/Tend-Adv/PR/12-13/148/KTPS

Date : 29.12.2012

Tender Ref. No : 510 CESM12-13 CET

Tender Notice No : 510 CESM12-13 CET

Date : 22/12/12

Kolaghat Thermal Power Station ( 6 x 210MW ) invites 4 ( Four ) Part sealed Tenders from eligible manufacturers only having sound experiences & Financial capabilities for Design, Engineering, Manufacturing, Testing, Supply, Installation & Commissioning of New PLC system With C.C. Camera at the existing CHP (Stage-I&II) as per Terms & Conditions detailed in the Tender document which will be issued from office of the Sr. Manager (S&P) , KTPS against deposition of Rs 5000/- (non refundable) in cash only towards the cost of tender document at KTPS cash section from 01/01/2013 to 10/01/2013 between 10:30 hrs. to 13:00 hrs except Saturdays, Sundays & Holidays .

Date of Pre-Bid Discussion : 18/01/2013 at 11=00 hrs. at the office of Sr. Manager (S&P).

Last Date of Submission of Offer : 07/02/2013 upto 16:00 hours .

Opening of Tender : Part I & II will be opened on 08/02/2013 at 14:30 hrs. Opening of Part III & IV will be intimated to the successful bidders later on .

Earnest Money : Rs 3,00,000/- must be submitted in the form of DD or Equivalent amount of BG on any Scheduled Bank, drawn in favour of "The West Bengal Power Development Corporation Limited" & payable at Mecheda . Govt/ Govt. Undertakings/SSI/NSIC units are exempted from deposition of E.M but valid documents duly attested have to be submitted along with the offer for claiming exemption.

#### **Preamble of CHP at KTPS:**

Loaded rakes are placed at Track Hopper (1 No.) & Wagon Tippers (2Nos.) for unloading of coal. Through Track Hopper coal is feed to conv. Belt No. 2A/1 & 2B/1 through 2 Nos.. Plough Feeders over each conveyor. From the above two belts coal can be feed to conv. Belt No. 2A, 2B, 2C & 2D through 4 Nos. Vibrators VFD 49 - 52. Again from 2 Nos. wagon Tippers coal can be feed to conv. Belt No. 2A, 2B, 2C & 2D via vibrating feeders & conv. belt No. 1A, 1B, 1C & 1D.

From conv. Belt No. 2A, 2B, 2C & 2D coal can be feed to crusher house for crushing coal through 4 Nos. of vibrating screen & crusher via conv. Belt No. 3A, 3B, 3C & 3D.

After crushing sized coal directly feed to conv. Belt No. 8A, 8B, 8C & 8D via conv. Belt No. 5.

Again crushing coal can be stacked at stack yard for future consumption through stacker cum reclaimer or directly feed to conv. Belt No. 7A, 7B, 7C & 7D via conv. Belt No. 4A, 4B, 4C & 4D and conv. Belt No. 6A, 6B & 6C. During crisis period coal can be feed from stack yard to conv. Belt No. 7A, 7B, 7C & 7D through stacker cum reclaimer via conv. Belt No. 6A, 6B & 6C.

From conv. Belt No. 7A, 7B, 7C & 7D coal can be feed to conv. Belt No. 8A, 8B, 8C & 8D.

From conv. Belt No. 8A & 8B, coal can be feed to conv. belt 9A &9B for stg-I coal bunker & conv. Belt No. 8C & 8D coal can be feed to conv. belt 9C & 9D for stg-II coal bunker.  
Capacity of 2A1/2B1 conv. Belt is 1200T/Hr.  
Capacity of other conv. Belts are 800T/Hr.  
24,000MT coal is required to feed at coalbunker for full power Generation (30MU).

**Qualifying Requirement :**

1. Bidder must be an experienced manufacturer of the PLC system being offered with latest technology & the same should be of proven high reliability, stable, minimum maintenance, easy troubleshooting. No system house will be allowed to quote for this project on behalf of the bidder either in supply part or execution part of the job.
2. The bidder should have already installed & commissioned the identical system in , at least two Thermal Power Stations in India having 2 X 210 MW or higher capacity unit/s, operating at yearly average of 60% PLF or above, of any Govt. organization/undertakings/autonomous body or reputed industrial house. The Performance Certificate i.r.o satisfactory continuous running of the PLC system of same series for 02 (two) or more years at the COAL HANDLING PLANT, from such Thermal Power Stations in India of unit capacity of 2 X 210 MW or more, to be submitted.
3. The series and manufactures of I/O Modules should be identical to that of the Main controller offered.
4. Bidder should be able to quote all the items specified in the Technical details. The copy of such previous (within a period of last two years) Purchase Order i.r.o the brought out items to be submitted along with the QR.
5. Bidder should be able to complete the Erection, Commissioning & Performance testing jobs within 60 (sixty) days, spanning 02 to 03 hrs. daily shutdown of CHP to sustain generation. A commitment in respect of the stated subject must be submitted by the bidder.
6. The bidder shall have to guarantee that the necessary support & services shall be executed at least for a period of 10 (ten) years from the date of placement of P.O. in regard to Hardware & System Software including all types of Spares to be supplied under this scope. Undertaking in this regard to be submitted.
7. Bidder should be able to provide Annual Service Support to the offered system after completion of warranty period.
8. Current S.T., I.T. & P.T. Clearance Certificates, Provident Fund Registration Certificates including P.F. Code No., Audited Balance Sheet and Profit & Loss Account for the last three financial years are to be submitted. Alternatively, bidder shall submit certificates from statutory authorities indicating exemption and /or non-applicability with regard to any or all of S.T., I.T. & P.T. Clearance Certificates. WBPDCCL reserves the right to reject any bid if any or all of these certificates have not been submitted or if the certificate from statutory authorities indicating exemption and / or non-applicability with regard to any or all of S.T., I.T. & P.T. Clearance Certificates has not been submitted.
9. The bidder should have facility in India for conducting Factory Acceptance Test.
10. PLC system should support OPEN PROTOCOL SYSTEM.
11. The control & instrument system shall be in compliance with all applicable codes, standard, guide, statutory regulation & safety requirement in force.
12. The bidder should be able to supply successfully i.r.o the complete PLC system for CHP, KTPS within a period of 06 (six) months from the date of placement of P.O.

**Note : WBPdcl have the Right to cancel the Tender at any stage without assigning any reason whatsoever.**

**Pulok Roy**  
**General Manager , KTPS .**