

Minutes of the pre-bid meeting for the works of "Supplying, installation, commissioning with Ten years comprehensive maintenance of 500 kW (100kW × 5) on Grid SPV Power Plants on Canal top (roof top category) at different zones beside Eco-Park, New Town, Kolkata" held on 12/02/2014 at 3.00 p.m. at conference room of New Town Kolkata Development Authority at 01 MAR, New Town, Kolkata.

Ref : Notice Inviting e-Tender No. WBNKDA/ 10 / EE – I / NKDA/ 2013 – 14 circulated vide memo no. 490/NKDA/ Engg – 36/ 2010(IV) dated 03.02.2014

Participants present :

| Sl No. | Name | Designation |
|--------|----------------------------|--|
| 1 | Sri T.K.Hazra | Director, WEBREDA |
| 2 | Sri A. C. Sarkar | MD, NTESCL |
| 3 | Sri Abin De | Executive Engineer – I, NKDA |
| 4. | Sri Amit Kr. Bose. | Administrative Officer, New Town Kolkata Development Authority. |
| 5. | Sri Pranab Kr. Sen | Assistant Engineer, New Town Kolkata Development Authority. |
| 6. | Sri Bhaskar Mallick | Sub-Assistant Engineer(M/E), New Town Kolkata Development Authority. |
| 7. | Sri Pritam Thakur | System Manger, New Town Kolkata Development Authority. |
| 8. | Sri Pradip Kr. Chakraborty | Assistant Engineer – II, New Town Kolkata Development Authority. |
| 9. | Sri Tathagatha Sarkar | Research Engineer, BESU |
| 10. | Sri Aniruddha Pal | Engineer, Solar City Cell, NKDA |
| 11. | Sri Amal Nayak | Vikram Solar Pvt. Ltd. |
| 12. | Sri Dibyendu Bhattacharya | Vikram Solar Pvt. Ltd. |
| 13. | Sri S.K. Satpathy | |
| 14. | Sri Tarit Dey, | Jail Pravihika Pvt. Ltd. |
| 15. | Sri Akil Sonthalia, | Jain Irrigation system Limited. |
| 16. | Sri Avishek Paul | Waaree Energies Ltd. |
| 17. | Sri P. Biswas | Waaree Energies Ltd. |
| 18. | Sri Pronab Sankar Banerjee | Bergen Group India |
| 19. | Sri Surajit Paul | Godrej & Boyce Mfg. Co. Ltd. |
| 20. | Sri Praveen Kumar | L & T Ltd. |
| 21. | Sri Swastik Chowdhury | Agni Power |
| 22. | Soumadeep Bhattacharjya | Tata Power Solar System Ltd. |
| 23. | Sri Tapan Kapoor | Schneider Electric |

At the very onset of the meeting, Sri T. K. Hazra, Director, WEBREDA welcomed all the members present in the meeting and initiated discussions.

Points as raised by Vikram Solar Pvt. Ltd.

The representative of Vikram Solar requested to include MNRE approved Channel partners with performance rating SP IB also.

The Tender Selection Committee of Solar City project decided that this will be discussed in details and subsequently be informed to the bidders during publication of the minutes of the meeting, if approved in due course.

It was also agreed upon by the Committee members that the installed capacity should not be less than 100 kW for a single location and the total installed capacity for multiple location should not be less than 400 kW during the last 3 years. This is in partial modification to Eligibility criteria [Clause (5) .I] of the NIEt with other requirements remaining same.

It was made clear to the bidders that there will be no change in the Price Schedule / Price break-up as stated in the Tender Document.

It was clarified to the bidders that the special security deposit will have to be submitted through only Demand Draft or Banker's cheque in favour of New Town Kolkata Development Authority, payable at Kolkata.

Points raised by Jain Irrigation –

The representative of Jain Irrigation also requested to include other BIS approved Brands like Jindal for the GI pipes for Module Mounting structure. The committee members stated that this needs to be discussed in details and if approved will be notified.

Points raised by Waaree Energies:

The representative of Waaree Energies requested for including MNRE approved channel partners with performance rating SP 2A also. They also requested for relaxation of Clause 5(v) of NIEt which states regarding "cumulative financial turnover of 50 crore in the last 3 yrs."

It was clarified to them that no relaxation is possible with regards to the request as made by them.

Points raised by Schneider :-

Representative of Schneider requested for incorporation of their brand for PCU.

The committee members stated that this will be discussed subsequently and if approved, will be notified in due course.

Points raised by Bergen :-

With regards to the queries as raised by representative of Bergen regarding custody of materials, it was clarified to them that all materials will be under the sole custody of the agency till completion of the work and handing over of the project to New Town Kolkata Development Authority. However the contractor should have Supply cum Erection insurance of all the items. Necessary premium in this regard will have to be paid by the contractor with underwriter being NKDA.

Points raised by Tata Power:

Representative of Tata Power requested for release of special Security Deposit of Rs.20 lacs in two equal instalments i.e. after 5 years and after 10 years. The committee members stated that this may be considered after detailed discussion and if approved will be notified in due course.

Representative of Tata Power also enquired regarding nature of power which will be received at the Inverter Input point. It was clarified that the power input of the Inverter will be DC power. It was also clarified to the representative of Tata Power that aluminium cable cannot be used instead of copper.

Points raised by Godrej & Boyce:-

Representative from Godrej & Boyce again requested for relaxation regarding cumulative financial turnover of 50 crores in the last 3 years "exclusively in the business of solar PV as stated in clause 5(v)."

It was stated that no relaxation is possible with regards to the request as made by them.

Points raised by L & T :

Representative of L & T raised queries regarding cross sectional area of control cable, performance ratio of the plant and wattage of lights in the control room.

It was clarified to them that cross sectional area of the control cable should not be less than 2.5 mm², average yearly performance ratio of the plant should not be less than 75 % and wattage of lights in the control room should be 36 watt.

Points raised by Agni Power :

Representative of Agni Power raised queries regarding Galvanising of welded joints.

The committee members stated that all the welded joints should be cleaned and then galvanised paint should be applied over the welded joints.

Two common points as raised by most of the bidders are stated as follows:

- i) For extending the last date of bid submission upto 10th March, 2014.
- ii) Whether modification of module/panel arrangement is permitted or not.

They were informed that if the last date of bid submission is extended ,necessary notification will be made well ahead.

For point (ii), it was clarified to them by the committee members that no changes will be permissible with respect to drawings for the following:-

- (a) All RCC structures namely pile, pile cap, stool columns etc and their centre to centre distance in both directions. (i.e. longitudinal and transverse directions)
- (b) The transverse and longitudinal trusses and their centre to centre distance in both directions.
- (c) Arrangement of purlins and catwalks on both sides (Eco Park and Street no. 787).

However the bidders have liberty to modify the following, namely –

- (a) Members of the grid structure assembly wherein the solar panels will be fitted and which will ultimately be connected to the purlins.
- (b) If the bidder wishes to make any changes with regards to arrangement as well as modify the total area of the solar panels, the same needs approval from competent authority of New Town Kolkata Development Authority, subject to submission of necessary calculation and justification regarding production of specified output parameters.
- (c) In addition to the longitudinal catwalks, some transverse catwalks of 300 mm width may be provided by the bidders for proper cleaning operation, if desired. Due to inclusion of transverse catwalks, the overall length of structure may be increased. However, the bidders will have to restrict the entire structure within the actual area of work as shown in the relevant drawing. Due to increase in length, if any, the bidders will have to increase the number of bays along the longitudinal direction but the centre to centre distance of the bays, trusses etc. should be according to the drawings as supplied by N.K.D.A. Such revised drawing of the structure, if any, with increased number of bays will have to be got approved from NKDA, by the lowest bidder within 15 days of issuance of Letter of Intent. Such drawing now becomes the final drawing for execution of the module mounting structures.

Bidders will also have to submit shop drawings for fixing of modules with the grid assembly and connection of the grid assembly with purlins or any other electrical working drawings required, if any, within 15 days of issuance of LOI for final approval by N.K.D.A.

The minutes of this meeting forms a part of the tender document.

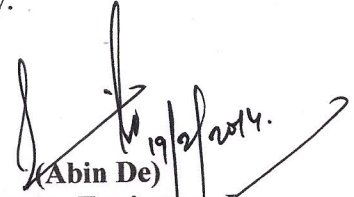


(Pradeep Roy)
Chief Engineer

New Town Kolkata Development Authority

Copy forwarded to :-

- 1) Sri T.K. Hazra, Director, West Bengal Renewable Energy Development Authority
- 2) Prof. Hiranmay Saha, Professor, Centre of Excellence for Green Energy and Sensor Systems, BESU.
- 3) Sri Pradeep Roy, Chief Engineer, New Town Kolkata Development Authority.
- 4) Sri S. P. Chatterjee, Chief Engineer (Electrical), WBHIDCO.
- 5) Sri A. C, Sarkar, MD, NTESCL
- 6) Sri. Amit Kr. Basu, Administrative Officer, New Town Kolkata Development Authority.
- 7) Sri S. Guha. Executive Engineer (M/E), New Town Kolkata Development Authority.
- 8) Sri Tathagata Sarkar, Research Engineer, BESU.
- 9) Sri Aniruddha Pal, Engineer, Solar City Cell, NKDA.
- 10) Sri Pranab Kr. Sen, Assistant Engineer, New Town Kolkata Development Authority.
- 11) Sri Pradip Kr. Chakraborty, Assistant Engineer – II, New Town Kolkata Development Authority.
- 12) Sri Bhaskar Mallick, Sub-Assistant Engineer (M/E), New Town Kolkata Development Authority.
- 13) Sri Pritam Thakur, System Manger, New Town Kolkata Development Authority.
- 14) Sri Anirban Dey, SAE , New Town Kolkata Development Authority.
- 15) PA to Chairman, New Town Kolkata Development Authority.


(Abin De)
19/2/2014.

Executive Engineer – I
New Town Kolkata Development Authority