
Overview of
Tariff based competitive bidding for
procurement of 2000 MW of solar power in
the state of Telangana State

- *The purpose of this presentation is **to provide a summary** of the Bid Model for the Telangana solar tender. The model essentially revolves around a distributed generation format with projects connected at 33kV, 132 kV and 220 kV voltage levels.*
- *Bidders have to rely on the bid documents available on the website for all the terms and conditions applicable for the Bid. This presentation only provides a quick overview and **is not comprehensive** in nature. In the event of any discrepancy between this presentation and the bid documents, the bid documents will overrule this document.*
- *This presentation attempts to provide clarifications on some of the queries raised by the Bidders but Bidders should solely rely on the clarifications/amendments issued by the Authorized Representative on the eProcurement platform/website as the case may be*



1

Context

2

Brief over view of Bid Process

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Illustration of Bid Process

4

Overview of TS DISCOMs

A large field of solar panels is shown from a low angle, extending towards the horizon. The panels are dark blue with a grid pattern. The sky is bright blue with many white, fluffy clouds. In the background, there is a green field and some trees. The word "Context" is written in white, bold, sans-serif font on the left side of the image.

Context

TSSPDCL, the lead procurer and the authorized representative of the two DISCOMS, intends to procure solar power for the following key reasons

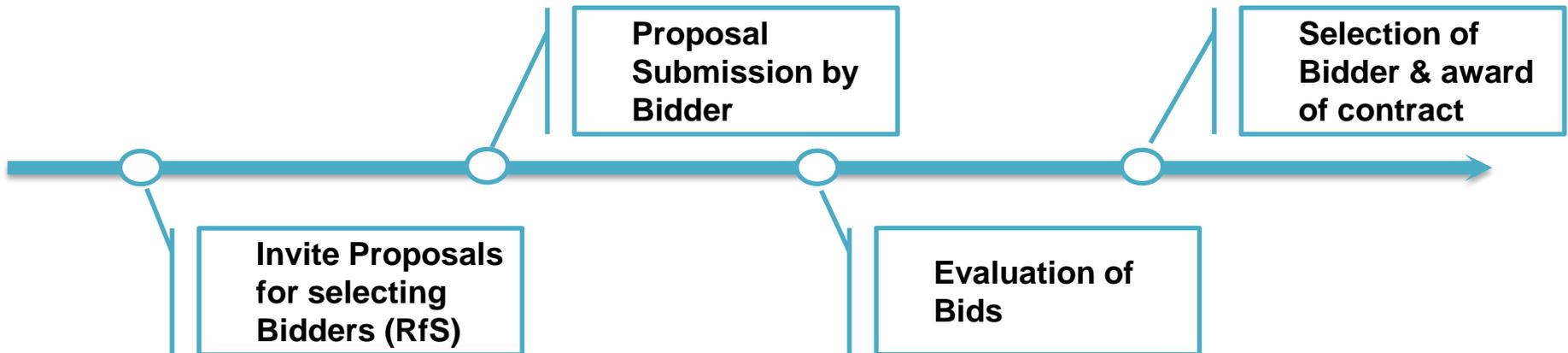
1. Encouraging distributed generation
2. Ensuring an optimal fuel mix in the long run with good contribution from NCE sources
3. Solar power would aid in serving high agricultural consumption since TS is ideal for setting up of solar power with an average solar insolation of nearly 5.0 kWh/m²

Accordingly, tender process was initiated during April 2015 for the above procurement of 2000 MW

Key principles of procurement

Design Principles of bid process		
Competitive Prices	Fairness and transparency	Supply security
<ul style="list-style-type: none">• Fair prices to consumers• Adequate returns to developers	<ul style="list-style-type: none">• Deploy a fair and transparent approach to select bidders• Maximize participation	<ul style="list-style-type: none">• Ensure reliable power to the Consumers

TSDISCOMS have designed a phased, structured and methodical approach for undertaking the bid process selecting the successful bidder



The bid process was designed after an extensive study and analysis of standard tender documents issued by MNRE and tenders across other states

Project scope (1/3)

Technology

- ✓ Solar PV technology. Technology agnostic within PV (crystalline silicon, thin film etc.)
- ✓ Only proven technologies (adopted at least in one project world wide) can be implemented

Project Location

- Bidder is free to set up Projects anywhere in the State subject to limitations on available capacity of S/S & Districts
- Location/Project site can be changed until financial closure
- Interconnection substation cannot change subsequent to issue of LOI

Project capacity

Minimum	2 MW at Delivery Voltage of 33 kV at 33/11kV Interconnection Substation
Maximum	NA

Project Capacity Limits defined at each voltage level and at each Substation category under Annexure D

Segregation of Bids into Group 1 and Group 2

- **Group 1 :** Bids specifying injection at 33 kV level and shall include Bidders injecting at 33 kV side of 33/11 kV Interconnection Substation or 33 kV side of 132/33 kV Interconnection Substation
- **Group 2 :** Bids specifying injection at EHT voltages of 132 kV and 220 kV and shall include those injecting 132 kV side of 132/33 kV Interconnection Substation or 220 kV side or 132 kV side of 220/132 kV Interconnection Substation or 220 kV side of 400/220 kV Interconnection Substation

Project scope (2/3)

Scheduled Commercial Operation Date (SCOD)

Twelve (12) months from date of signing of PPA i.e. Effective Date for Group 1 Projects injecting at 33 kV level

Fifteen (15) months from date of signing of PPA i.e. Effective Date for Group 2 Projects injecting at EHT system of 132 kV and 220 kV level

A **one-time incentive** for early commissioning of Projects before the Scheduled COD is applicable as specified in the PPA

Transmission Access

- ✓ The SPD shall be wholly responsible for arranging transmission access from the station switchyard of the Project up to the Interconnection Point
- ✓ The Project should be designed for interconnection with the distribution/ transmission network of DISCOM or Telangana TRANSCO at voltage level of 33 kV or 132 kV or 220 kV
- ✓ In case the Project connects to a 33/11 kV Interconnection Substation, only if Available Capacity is subject to bay extension and bay extension is not feasible, then the Bidder shall procure land and undertake bay extension at its own cost, however, in other cases no cost shall be payable to the DISCOM.
- ✓ In case the Project connects to EHT Interconnection Substations of 132/33 kV, 220/132 kV and 400/200 kV, the SPD shall invariably pay land cost for bays whether existing or to be constructed, to TSTRANSCO

Project scope (3/3)

Contract Period

- 25 years from the COD of the Project

Tariff Payment

- The SPD shall be entitled to receive the Tariff payments computed in the following manner – Tariff for each Tariff Year for the entire tenor of the PPA shall be the Quoted Tariff. No escalation shall be allowed on the Quoted Tariff at any time during the tenor of the PPA

Interconnection Substation

- A single Project shall be connected to a single Interconnection Substation
- Bidder shall submit a List of Preferred Interconnection Substations (At least 1 and up to 10) where he intends to connect the entire Offered Capacity
- Allocation (in order of bid parameter) shall be done in the order of the preference list as provided in the RFS
- After issue of LOI, Interconnection Substation cannot be changed

Bid Parameter, Tariff, evaluation and payment

Tariff for each Tariff Year for the entire tenor of the PPA shall be the Quoted Tariff

Bidders shall invariable quote tariff not exceeding the ceiling tariff. Any Bid not meeting this condition shall be summarily rejected

“**Tariff Year**” shall mean the each period of twelve (12) months commencing from the COD. The last Tariff Year shall end on the date of expiry or termination of the PPA as applicable

Evaluation of Financial Bids and allocation of Interconnection Substations under First Round of Allocation and Second Round of Allocation as specified in the RFS **shall be carried out separately for Group 1 and Group 2 Bids.**

Provisions of First Round of Allocation and Second Round of Allocation shall apply mutatis mutandis to Group 1 and Group 2 Bids

Group 1 Bids will be allocated first, followed by Group 2 Bids. Technical evaluation shall be same for Group 1 and Group 2 Bids with no distinction whatsoever

Group	Ceiling Tariff
<p>Group 1 Bids Bidders injecting at 33 kV level and shall include Bidders injecting at 33 kV side of 33/11 kV Interconnection Substation or 33 kV side of 132/33 kV Interconnection Substation</p>	<p>Ceiling Tariff is Rs 6.4500/kWh</p>
<p>Group 2 Bids Bidders injecting at EHT voltages of 132 kV and 220 kV and shall include Bidders injecting at 132 kV side of 132/33 kV Interconnection Substation or 220 kV side or 132 kV side of 220/132 kV Interconnection Substation or 220 kV side of 400/220 kV Interconnection Substation</p>	<p>Ceiling Tariff is Rs 6.3200/kWh</p>

District wise & Voltage wise Capacity

S. No.	Interfacing/grid substation (Inter-connection point)	Injection Voltage level (AC)	Injection capacity at Substation (MW)
1	33/11 kV	33 kV	2 to 8
2	132/33 kV	33 kV	9 to 15
3	132/33 kV	132 kV	16 to 50
4	220/132 kV	132 kV	16 to 50
5	220/132 kV	220 kV	51 to 100
6	400/220 kV	220 kV	51 to 150

District	Capacity Limit for District	Capacity Limit for Group 1 Bids (MW)	Capacity Limit for Group 2 Bids (MW)
Mahbubnagar	400	100	300
Medak	500	100	400
Nalgonda	600	150	450
Rangareddy South	100	25	75
Warangal	300	100	200
Karimnagar	300	75	225
Khammam	200	50	150
Nizamabad	400	100	300
Adilabad	200	50	150
Total Requisitioned Capacity	2,000	500	1500

The Available Capacity at any Interconnection Substation shall be limited by the capacity at the Interconnection Substation required to reach the Capacity Limit in the District.

If the Capacity Limit at any district is reached, then consequentially, the Available Capacity at all the Interconnection Substations in that particular district will become zero.

District-wise Capacity availability in each voltage level

(All Values in MW)

District	400kV	220kV	132kV	Total
Adilabad		182	162	343
Mahabubnagar	355	375	235	965
Medak		574	316	890
Nalgonda		471	544	1014
Nizamabad	143	268	407	818
Ranga reddy	450	731	167	1348
Warangal		143	281	424
karimanagar		95	509	604
Khammam			185	185
Total	948	2,839	2,806	6593

Salient Features of PPA

PPA basis	TSERC approved PPA
Term of PPA	25 years from COD
Time period for commissioning	12 months from signing of PPA for Group 1 Bidders and 15 months for Group 2 Bidders
Time period for financial closure and conditions subsequent	180 days from signing of PPA
Net worth infusion	INR 0.30 Crores/MW on or before PPA execution, additional INR 0.75 Crores/MW on or before Financial Closure and balance of INR 0.45 Crores/MW on or before COD of the Project
Project location/site	Can be changed till financial closure
Key obligations of developer	<ul style="list-style-type: none"> ✓ Obtaining all consents and clearances ✓ Designing, financing, construction, owning and operating the power station ✓ Developing interconnection facilities till Interconnection point ✓ Operating and maintenance of power plant to conform with RLDC/SLDC/TSTRANSCO/IEGC norms
CUF	No penalties for lower CUF Energy beyond 25% CUF will be billed at 50% of applicable tariff for that year. CUF computation is on yearly basis
Energy Dispatch	All energy for DISCOMS' exclusive benefit Delivered Energy prior to COD shall be purchased at first year Tariff
Payment terms	Monthly bill payment. Rebate of 1% and Late payment interest (simple interest at prevailing base Prime Lending Rate of State Bank of India) provided Payment security is letter of credit

Key amendments in RFS

Revised provision

- **Group 1 Bids** : Bidders injecting at 33 kV level and shall include Bidders injecting at 33 kV side of 33/11 kV Interconnection Substation or 33 kV side of 132/33 kV Interconnection Substation
- **Group 2 Bids**: Bidders injecting at EHT voltages of 132 kV and 220 kV and shall include Bidders injecting at 132 kV side of 132/33 kV Interconnection Substation or 220 kV side or 132 kV side of 220/132 kV Interconnection Substation or 220 kV side of 400/220 kV Interconnection Substation

Group 1 Bidders who are Individuals or partnerships or Limited Liability Companies (LLC) **need not form Project Company** for implementing the Project.

Hybrid consortiums are allowed. But any consortium must necessarily form Project Company for implementing the Project

Dilution of Controlling Shareholding: In case of Bidding Consortium which has formed a Project Company, Lead Member may dilute its shareholding, however Controlling Shareholding of 51% shall be maintained till one (1) year of COD of the Project

Minimum Net Worth Criteria **INR 1.5 Crores/MW**

In order to increase competition, RFS has been amended keeping in view fair provisions to developers as well as supply security to DISCOMS

Amendments in PPA (1/2)

Earlier provision	Revised provision
<p>Necessary equity infusion towards meeting minimum net worth criteria i.e. INR 0.6 Crores/MW before signing of PPA and INR 1.4 Crores/MW on or before financial closure</p>	<p>Necessary equity infusion. i.e. INR 0.30 Crores/MW on or before PPA execution, additional INR 0.75 Crores/MW on or before Financial Closure and balance of INR 0.45 Crores/MW on or before COD of the Project</p>
<p>Commercial Operation Date within Twelve (12) months from the date of signing of the Agreement</p>	<p>Commercial Operation Date within Twelve (12) months for Group 1 Fifteen (15) months for Group 2</p>
<p>Interconnection Infrastructure</p>	<ol style="list-style-type: none"> 1. After the expiry of the PPA, facilities and infrastructure including all equipment installation at the bay extension developed by SPD for interconnection at the interconnection point of the interconnection substation needs to be transferred to DISCOM/TSTRANSCO. Interconnection point of the interconnection substation have to be handed over to the Licensee concerned at a depreciated value as approved by the Commission in case the agreement has been terminated or expired, however the lines from the project to the interconnection point can be retained by SPD. 2. In case the project connects to a 33 / 11 kV interconnection substation where available capacity is subject to bay extension and bay extension is not feasible, then the bidder shall procure land and undertake bay extension at its own cost. 3. Further in case the project connects to EHT interconnection substations of 132/33, 220/132 KV and 400/220 KV, the SPD shall invariably pay land cost for bays whether existing or to be constructed, to TSTRANSCO.

Amendments in PPA (2/2)

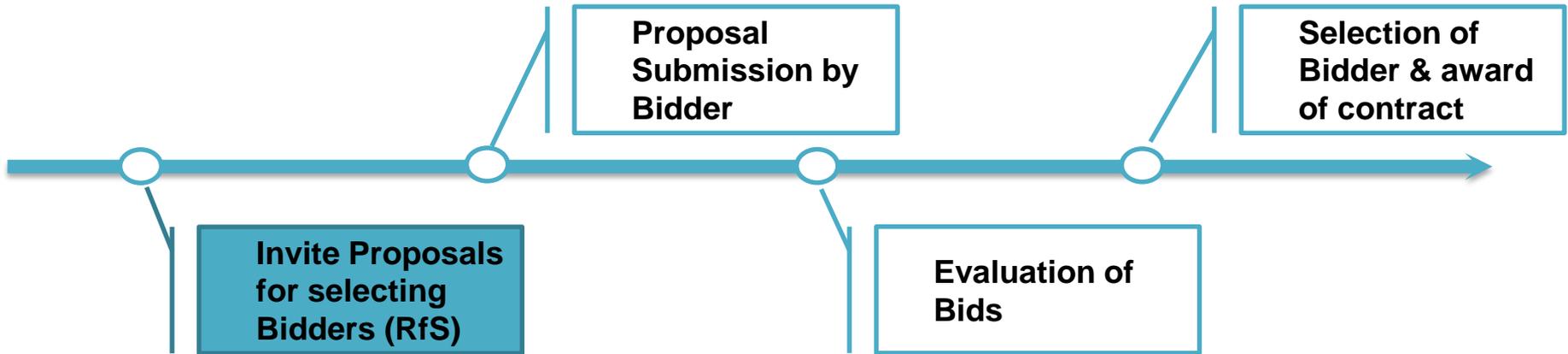
Earlier provision	Revised provision
No Mention of Cure Period for Lenders	<p>DISCOM shall give a further notice to the Lenders, requiring the curing of default by SPD within a period of 90 (ninety) days (Lender's Cure Period) from the date of issue of such notice by exercising the rights of the Lenders provided herein including but not limited to rights of assignment/substitution/subrogation/novation.</p> <p>Upon expiry of Lender's Cure Period, unless otherwise the Solar Power Developer Event of Default has been cured, the DISCOMS may terminate this Agreement</p>
No specific mention of relaxation of controlling shareholding requirements in case of SPD default and Lenders exercising their substitution rights	<p>The percentage of Controlling Shareholding of the Bidding Company may be relaxed only upon the occurrence of event of default of the SPD under the Financing Agreement, and the Lenders shall have the rights to alter the original shareholding structure and Controlling Shareholding for the sole purpose of recovering the amounts due and payable to the Lender subject to the approval of the DISCOM which shall not be unreasonably withheld. However, both the Lenders</p>
No provision of RTGS	<p>All payments shall be made by way of either cheques or National Electronic Fund Transfer (NEFT) or Real Time Gross Settlement (RTGS) payments into the Solar Power Developer's Designated Account.</p>

To improve bankability of projects, DISCOMs have modified the PPA keeping in view fair provisions to Lenders

A large field of solar panels is shown from a low angle, extending into the distance. The panels are dark blue with silver lines. The sky is bright blue with many white, fluffy clouds. In the background, there is a green field and some trees. The overall scene is bright and sunny.

Brief Overview of Bid Process

Bid Process for selecting the Solar Power Developer (1/4)



RfS was issued by TSSPDCL on 1st April 2015

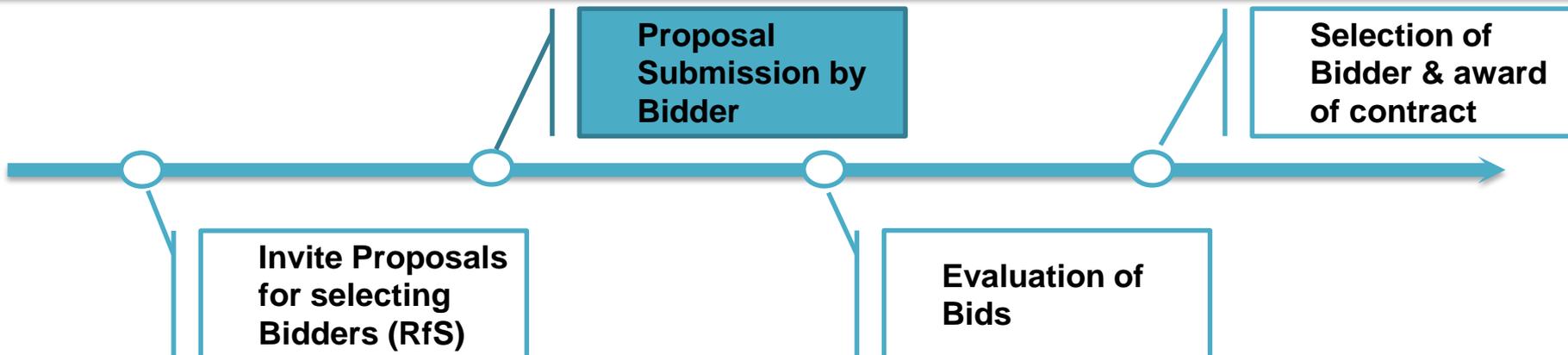
Pre-bid conference was conducted on 10th April 2015. The conference saw participation from over 300 prospective bidders

After analyzing the various requests made by the Bidders and keeping in view the best interest of the DISCOMS and its consumers, TSSPDCL has issued amended RFS on 9 June 2015

Last date for submission of Bids i.e. Bid Deadline is 30 June 2015

Tender process was initiated by TSSPDCL on 1st April 2014

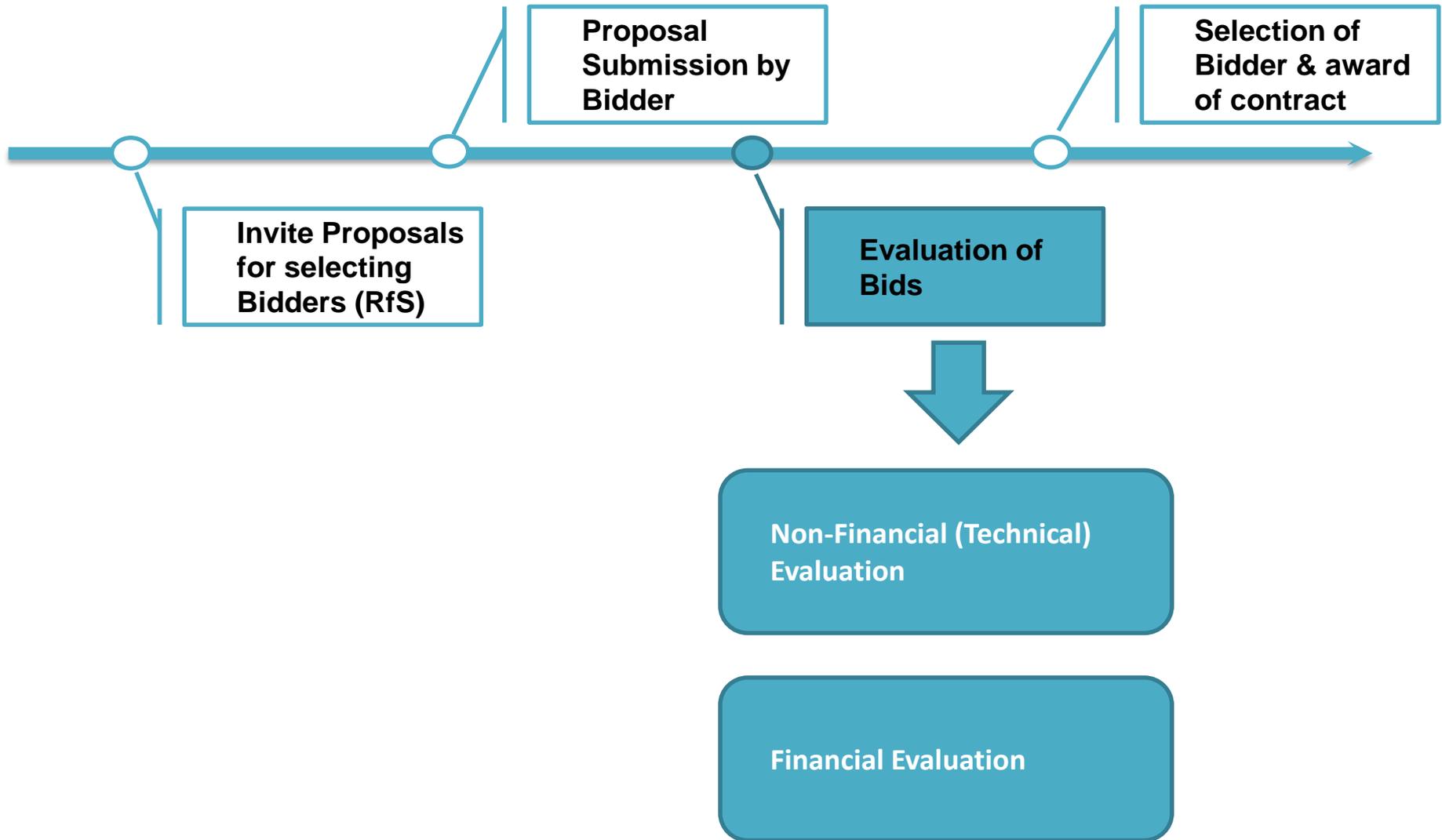
Bid Process for selecting the Solar Power Developer (2/4)



Event	Revised Schedule
Date of issue of RFS	1 April 2015
Pre-Bid Meeting	10 April 2015
Revision of RFS Documents	09 June 2015
Bid Deadline i.e. Last Date and Time for submission of Bids	30 June 2015 17:00 Hours
Opening of PQ Bid	02 July 2015
Opening of Technical Bid	06 July 2015
Opening of Financial Bid of Qualified Bidders	20 July 2015

- ✓ Scanned copies of the RFS Documents shall be uploaded on the eProcurement Website
- ✓ Original Documents shall be sought only from the successful bidders
- ✓ Single-stage bidding process where Technical and Financial Bids are submitted simultaneously

Bid Process for selecting the Solar Power Developer (3/4)



Evaluation – Parameters (1/4)



WHO ALL CAN PARTICIPATE?

- ✓ Any company formed under the companies Act 1956 or Companies Act 2013
- ✓ Foreign companies
- ✓ Limited Liability Companies (LLC)
- ✓ Individuals (both foreign and Indian)
- ✓ Partnerships (both foreign and Indian)
- ✓ Limited Liability Partnerships (both Indian and foreign)
- ✓ Consortiums with companies/firms/individuals as members can also participate but must necessarily nominate a lead member with controlling shareholding (i.e. minimum 51% paid up capital and voting rights)
- ✓ Hybrid Consortiums with one or more members as Individuals/Partnerships/Companies
- ✓ Group 1 Bidders need not form Project Company for implementing the Project.

Technical evaluation would be overseen by an appropriate evaluation committee

Evaluation – Parameters (2/4)

1

Check for Responsiveness of Bid

Non- Responsiveness of Bids

- ✓ *Non-submission of bid processing fee as per RfS*
- ✓ *EMD not as per RfS*
- ✓ *Submission of financial bid in Technical Bid*

All Non-Responsive Bids are eliminated from the Bid Process. They are not evaluated technically or financially

2

Evaluation of fulfillment of qualification requirements

Fulfillment of Technical Requirements

- ✓ *Meet Net Worth requirements*
- ✓ *Has submitted all other relevant documents*

- RfS authorizes TSSPDCL to seek clarification to remove any inconsistencies in the Bid
- Accordingly, TSSPDCL may seek clarifications from Bidders for removing any inconsistencies
- Bidders are solely responsible for removal of inconsistencies in their Bid to the satisfaction of TSSPDCL

3

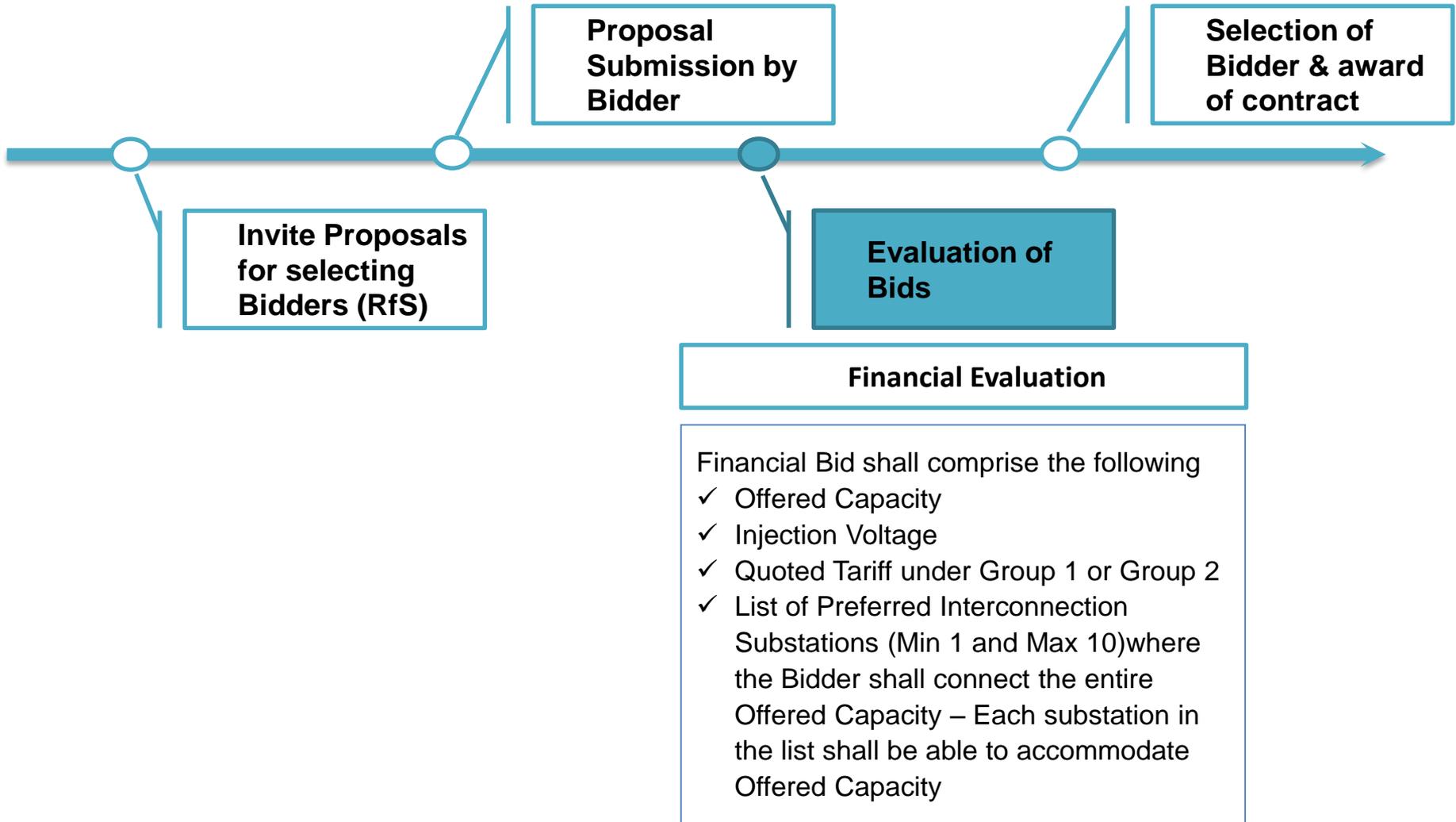
Short-list Qualified Bidders for financial evaluation

Qualification of Bidders

Financial Bids of ONLY those bidders who fulfill qualification requirements are opened (“Qualified Bidders”)

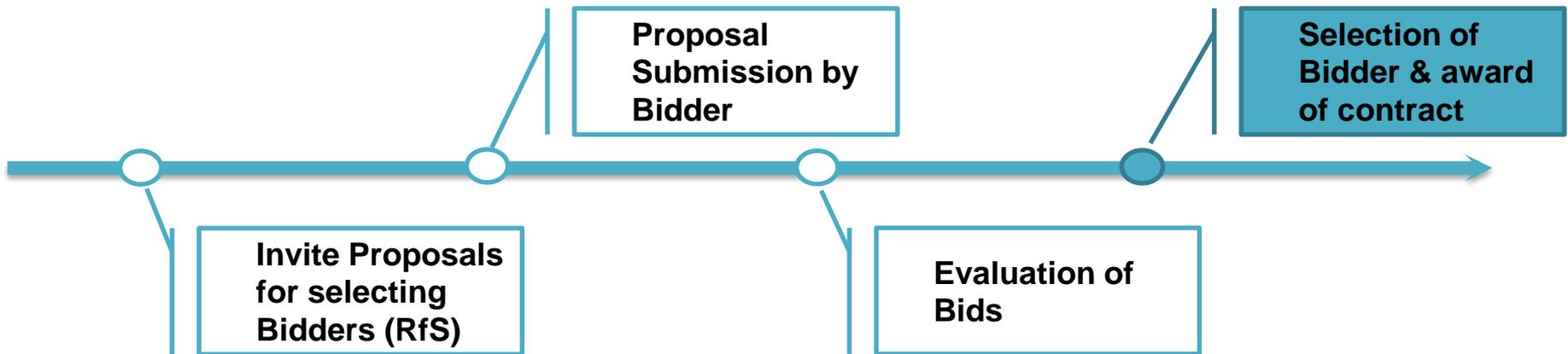
Financial Bids are submitted along with Technical Bids, but opened only if the Bidder is Qualified Bidder and meets qualification requirements

Evaluation – Parameters (3/4)



Financial Bids are submitted along with Technical Bids, but opened only if the Bidder is Qualified Bidder and meets qualification requirements

Evaluation – Parameters (4/4)



All Qualified Bidders are stacked in the ranking order and project allocation shall be as per the rank

1. Ranking of Bids is in the following order of metrics
 - i. Lowest Quoted Tariff
 - ii. Higher Offered Capacity is given preference
 - iii. Higher Net Worth is given preference
2. Multiple Financial Bids can be submitted by the Bidder. But allocation will happen in the stacking order of bid parameter only. Hence a bidder may have more than one position in the ranking order depending on the number of financial bids submitted

Allocation process – First Round (1/2)

First round of allocation

Financial Bids shall be ranked in ascending order of Quoted Tariff and the qualified bidder with lowest Tariff shall be declared as successful bidder for the offered capacity offered by such Qualified Bidder in the Financial Bid

During the First Round of Allocation, the following conditions shall apply:

- *If the Available Capacity at the most preferred Interconnection Substation is less than the Offered Capacity, then the Qualified Bidder shall be allotted the next preferred Interconnection Substation from the List where Available Capacity is greater than or equal to the Offered Capacity.*
- *If the Capacity Limit at any district is reached, then the Qualified Bidder shall be allotted the next preferred Interconnection Substation from the List, which corresponds to a district where the Capacity Limit is not reached*
- *If the Capacity Limit at any district is reached, then the Available Capacity at all the Interconnection Substations in that particular district will become zero.*
- *Further the Available Capacity at any Interconnection Substation shall be limited by the capacity at the Interconnection Substation required to reach the Capacity Limit in the District.*

During the First Round of Allocation, if there is no single Interconnection Substation in the List specified by the Qualified Bidder where Available Capacity is greater than or equal to Offered Capacity, then the Qualified Bidder shall be invited to select only one of the following options:

- *Develop Project(s) at a reduced capacity equal to the Available Capacity of such Interconnection Substations in the List , which has the highest Available Capacity*
- *Split Offered Capacity into fractions (whole number only) across the Interconnection Substations in the List specified by the Bidder*
- *Develop partial capacity at any one or more of the Interconnection Substations in the List and move to the Second Round of Allocation for balance capacity*
- *Participate in the Second Round of Allocation for the entire Offered Capacity*
- *Withdraw from the Bid process altogether in which case EMD will be returned.*

Allocation process (2/2)

Second round of allocation

All Qualified Bidders moved to second round will be ranked in ascending order of bid parameter and will be invited to select Interconnection S/s from all the substations where there is Available Capacity after the first round

Qualified Bidder(s) cannot select any Interconnection Substation already allotted to such Bidder during the First Round of Allocation

The Qualified Bidder may opt for withdrawing from the Bid process in this round and in such case, EMD shall be returned within ten (10) days of issue of Letter of Intent (LOI) to all Successful Bidders

Allocation will be carried out in respect of all the Qualified Bidders, remaining after the First Round of Allocation, in the ranking order of the Bid Parameter and the Authorized Representative reserves the right to change the Requisitioned Capacity

Bidder can fragment offered capacity across substations in first round/second round, if no single Substation can accommodate the entire Offered Capacity

- *Available capacity at one shall be exhausted before selecting another s/s*
- *A single Project shall be connected to a single Interconnection Substation only. In case of fragmentation of Offered Capacity, the Successful Bidder shall develop multiple Projects in line with number of Interconnection Substations selected*
- *If the Capacity Limit at any district is reached, then the Available Capacity at all the Interconnection Substations in that particular district will become zero*
- *Further the Available Capacity at any Interconnection Substation shall be limited by the capacity at the Interconnection Substation required to reach the Capacity Limit in the District.*
- *Further, however, in this Second Round of Allocation, the Group 2 Qualified Bidder can opt for 33 kV side of 33/11 kV Interconnection Substation or 33 kV side of 132/33 kV Interconnection Substation in case of fragmentation of Offered Capacity, provided however, the Quoted Tariff of the Group 2 Qualified Bidder shall be revised to the lower of the Quoted Tariff specified by such Group 2 Qualified Bidder or the Lowest Quoted Tariff received for Group 1 Bids, whichever is less*

A large field of solar panels is shown from a low angle, extending into the distance. The panels are dark blue with a grid pattern. The sky is bright blue with scattered white clouds. In the background, there is a green field and some trees. The text "Illustration of Bid Process" is overlaid on the left side of the image in white, bold font.

Illustration of Bid Process

Evaluation of Bids and allocation of Interconnection Substation

Ranking of the Bidders

Bidder	#AB	#CD	#XY	#PQ	#AB	#MN	#EF	#EF	#GH
Bid Parameter	3.400	3.500	3.800	3.900	4.100	4.200	4.200	4.300	4.300
Offered Capacity	100 MW	80 MW	60 MW	90 MW	45 MW	40 MW	20 MW	30 MW	30 MW
Net worth	300 Cr	180 Cr	150 Cr	200 Cr	100 Cr	100 Cr	50 Cr	90 Crs	61 Crs
Rank	1	2	3	4	5	6	7	8	9

All Bid parameters are ranked from lowest to highest and allocation shall start from Bidder with first rank i.e. **lowest tariff**.

In case bid parameters for two bids is the same, then the bid corresponding to **higher offered capacity** will be given better rank

If both bid parameter and offered capacity are the same, bidder demonstrating **higher net worth** is given preference

Bidders (Capacity in MW) and their preferred s/s

B1 (80)

1. Shadnagar
2. Veltoor

B2 (50)

1. Veltoor
2. KM Pally
3. Durshed

B3 (80)

1. Shadnagar
2. Veltoor

B4 (100)

1. Veltoor

Shadnagar can accommodate B1

Substations: (Available capacity/ max capacity)

Shadnagar (150/150)

Veltoor (100/100)

KM Pally (60/60)

Durshed (50/50)

Bidders (Capacity) and their preferred s/s

B1 (80)	B2 (50)	B3 (80)	B4 (100)
<ol style="list-style-type: none"> 1. Shadnagar 2. Veltoor 	<ol style="list-style-type: none"> 1. Veltoor 2. KM Pally 3. Durshed 	<ol style="list-style-type: none"> 1. Shadnagar 2. Veltoor 	<ol style="list-style-type: none"> 1. Veltoor

Veltoor can accommodate B2

Substations: (Available capacity/ max capacity)

Shadnagar (70/150)	Veltoor (100/100)	KM Pally (60/60)	Durshed (50/50)
<div style="background-color: #a52a2a; color: white; padding: 2px;">B1 (80)</div>			

Bidders (Capacity) and their preferred s/s

B1 (80)	B2 (50)	B3 (80)	B4 (100)
<ol style="list-style-type: none"> 1. Shadnagar 2. Veltoor 	<ol style="list-style-type: none"> 1. Veltoor 2. KM Pally 3. Durshed 	<ol style="list-style-type: none"> 1. Shadnagar 2. Veltoor 	<ol style="list-style-type: none"> 1. Veltoor

Shadnagar can NOT accommodate B3
 Veltoor can NOT accommodate B3

B3 has five options:

- I. **Develop Projects at a reduced capacity**
- II. Split Offered Capacity into fractions
- III. Develop partial capacity at one or more Interconnection S/s from the list and move to second round for balance capacity
- IV. Move to second round for entire offered capacity
- V. Withdraw from the bid process altogether and EMD will be returned

Substations: (Available capacity/ max capacity)

Shadnagar (70/150)

Veltoor (50/100)

KM Pally (60/60)

Durshed (50/50)

B1 (80)

B2 (50)

Bidders (Capacity) and their preferred s/s

B1 (80)	B2 (50)	B3 (70)	B4 (100)
<ol style="list-style-type: none"> 1. Shadnagar 2. Veltoor 	<ol style="list-style-type: none"> 1. Veltoor 2. KM Pally 3. Durshed 	<ol style="list-style-type: none"> 1. Shadnagar 2. Veltoor 	<ol style="list-style-type: none"> 1. Veltoor

Shadnagar can NOT accommodate B3
 Veltoor can NOT accommodate B3

B3 has five options:

- I. Develop Projects at a reduced capacity
- II. Split Offered Capacity into fractions
- III. Develop partial capacity at one or more Interconnection S/s from the list and move to second round for balance capacity
- IV. Move to second round for entire offered capacity
- V. Withdraw from the bid process altogether and EMD will be returned

Substations: (Available capacity/ max capacity)

Shadnagar (70/150)	Veltoor (50/100)	KM Pally (60/60)	Durshed (50/50)
B1 (80)	B2 (50)		

Bidders (Capacity) and their preferred s/s

B1 (80)	B2 (50)	B3 (80)	B4 (100)
<ol style="list-style-type: none"> 1. Shadnagar 2. Veltoor 	<ol style="list-style-type: none"> 1. Veltoor 2. KM Pally 3. Durshed 	<ol style="list-style-type: none"> 1. Shadnagar 2. Veltoor 	<ol style="list-style-type: none"> 1. Veltoor

B3 selected 70 MW at Shadnagar in First Round and did not participate in the Second Round

Substations: (Available capacity/ max capacity)

Shadnagar (0/150)	Veltoor (50/100)	KM Pally (60/60)	Durshed (50/50)
B1 (80)	B2 (50)		
B3 (70)			

Bidders (Capacity) and their preferred s/s

B1 (80)	B2 (50)	B3 (80)	B4 (100)
<ol style="list-style-type: none"> 1. Shadnagar 2. Veltoor 	<ol style="list-style-type: none"> 1. Veltoor 2. KM Pally 3. Durshed 	<ol style="list-style-type: none"> 1. Shadnagar 2. Veltoor 	<ol style="list-style-type: none"> 1. Veltoor

Veltoor can NOT accommodate B4



B4 has five options:

- I. Develop Projects at a reduced capacity
- II. Split Offered Capacity into fractions
- III. **Develop partial capacity at one or more Interconnection S/s from the list and move to second round for balance capacity**
- IV. Move to second round for entire offered capacity
- V. Withdraw from the bid process altogether and EMD will be returned

Substations: (Available capacity/ max capacity)

Shadnagar (0/150)	Veltoor (50/100)	KM Pally (60/60)	Durshed (50/50)
B1 (80)	B2 (50)		
B3 (70)			

Bidders (Capacity) and their preferred s/s

B1 (80)	B2 (50)	B3 (80)	B4 (50)
<ol style="list-style-type: none"> 1. Shadnagar 2. Veltoor 	<ol style="list-style-type: none"> 1. Veltoor 2. KM Pally 3. Durshed 	<ol style="list-style-type: none"> 1. Shadnagar 2. Veltoor 	<ol style="list-style-type: none"> 1. Veltoor

Veltoor can NOT accommodate B4

B4 opted to participate in 2nd round for balance 50 MW

B4 has five options:

- I. Develop Projects at a reduced capacity
- II. Split Offered Capacity into fractions
- III. **Develop partial capacity at one or more Interconnection S/s from the list and move to second round for balance capacity**
- IV. Move to second round for entire offered capacity
- V. Withdraw from the bid process altogether and EMD will be returned

Substations: (Available capacity/ max capacity)

Shadnagar (0/150)	Veltoor (50/100)	KM Pally (60/60)	Durshed (50/50)
B1 (80)	B2 (50)		
B3 (70)			

Illustration – District capacity

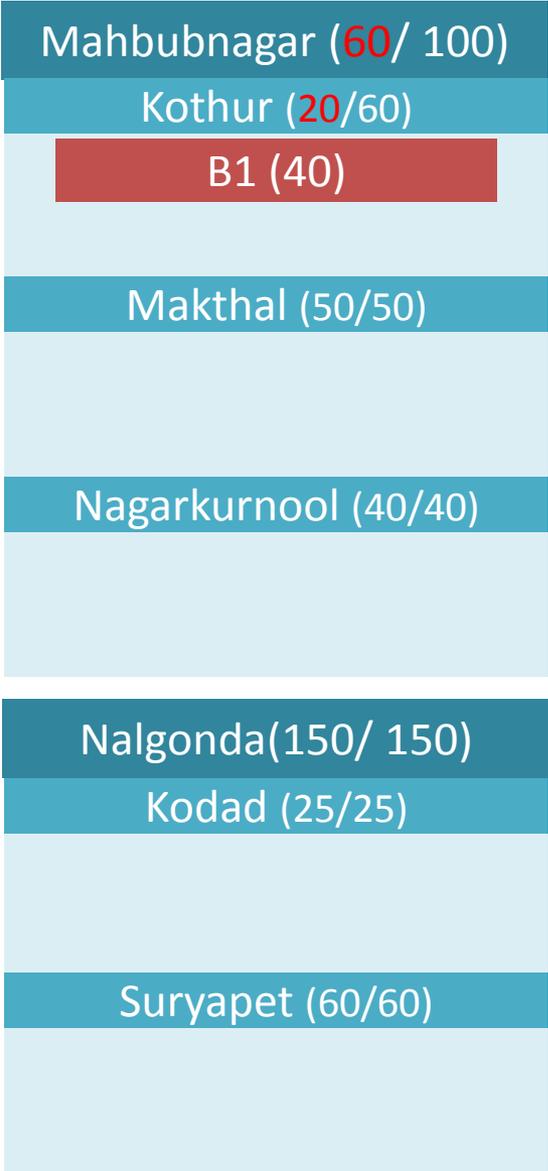
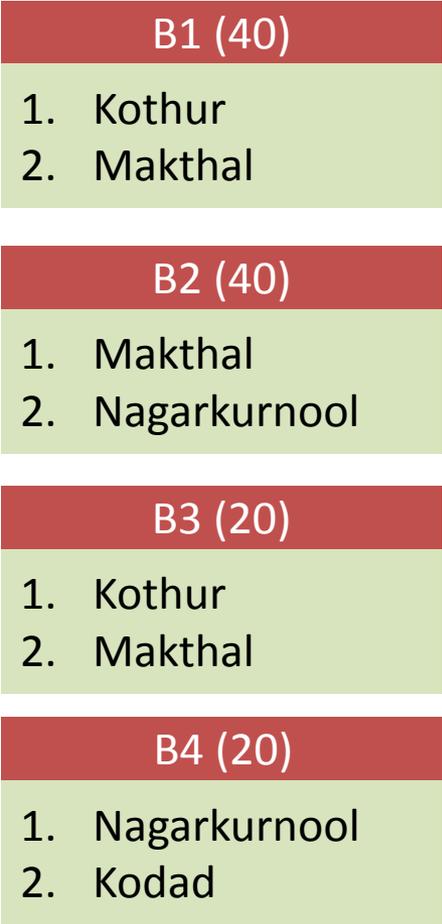
B1 (40)
1. Kothur
2. Makthal
B2 (40)
1. Makthal
2. Nagarkurnool
B3 (20)
1. Kothur
2. Makthal
B4 (20)
1. Nagarkurnool
2. Kodad

**Kothur s/s
accommodates B1**

Mahbubnagar (100/ 100)
Kothur (60/60)
Makthal (50/50)
Nagarkurnool (40/40)
Nalgonda(150/ 150)
Kodad (25/25)
Suryapet (60/60)

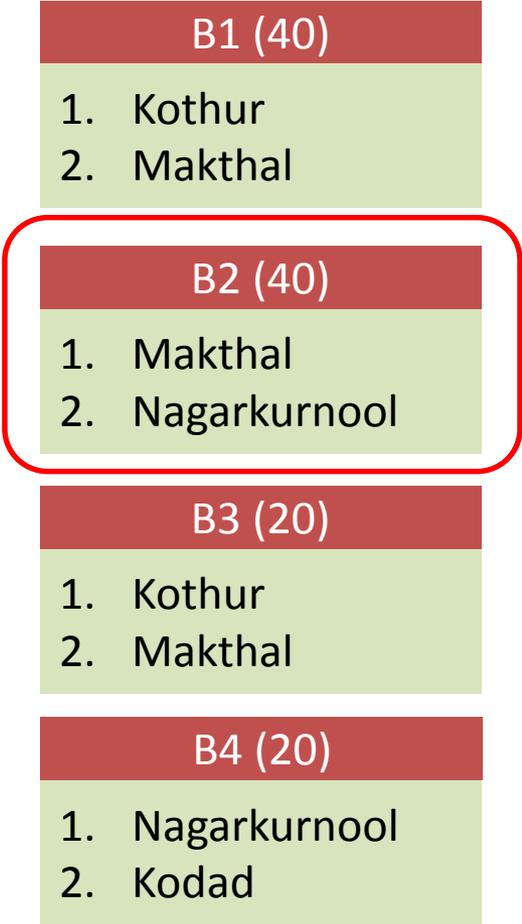
(Available capacity/ Max capacity) in MW

Illustration – District capacity

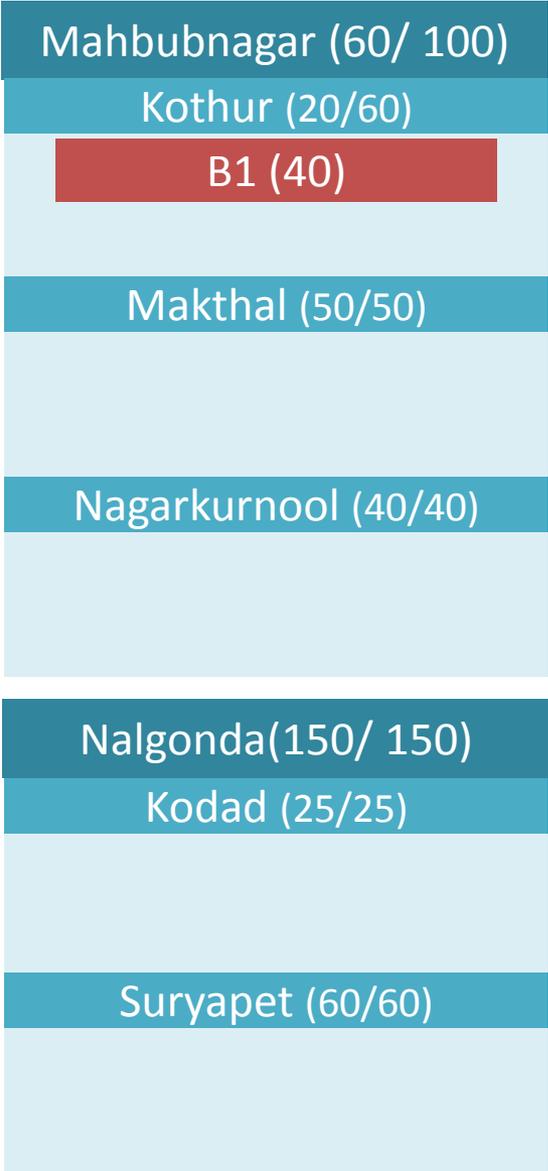


(Available capacity/ Max capacity) in MW

Illustration – District capacity



Makthal s/s accommodates B2



(Available capacity/ Max capacity) in MW

Illustration – District capacity

B1 (40)
1. Kothur 2. Makthal
B2 (40)
1. Makthal 2. Nagarkurnool
B3 (20)
1. Kothur 2. Makthal
B4 (20)
1. Nagarkurnool 2. Kodad

Mahbubnagar (20/ 100)
Kothur (20/60)
B1 (40)
Makthal (10/50)
B2 (40)
Nagarkurnool (40/40)
Nalgonda(150/ 150)
Kodad (25/25)
Suryapet (60/60)

(Available capacity/ Max capacity) in MW

Illustration – District capacity

B1 (40)

- 1. Kothur
- 2. Makthal

B2 (40)

- 1. Makthal
- 2. Nagarkurnool

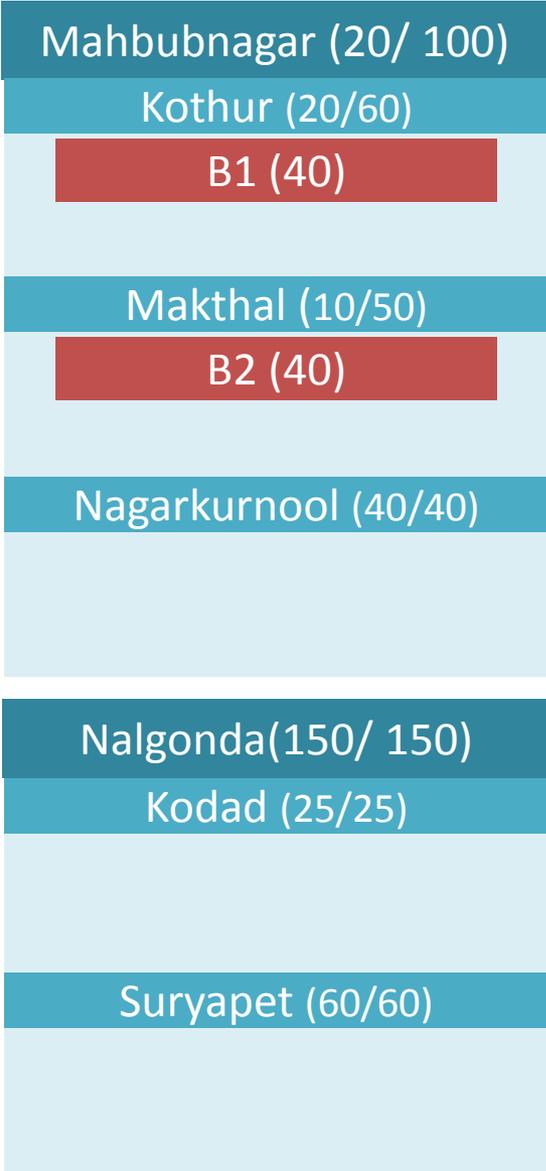
B3 (20)

- 1. Kothur
- 2. Makthal

B4 (20)

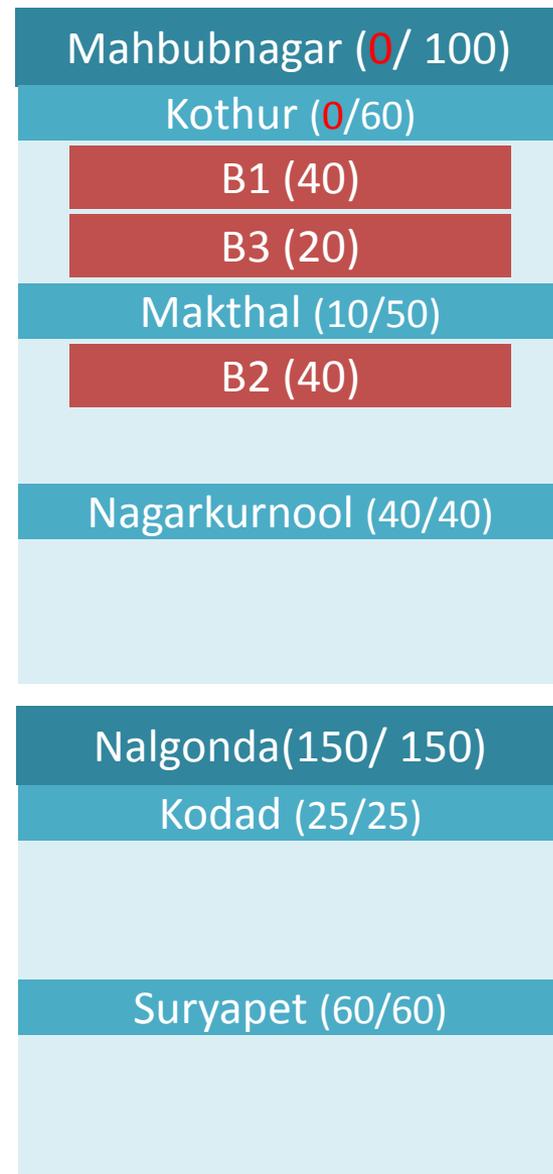
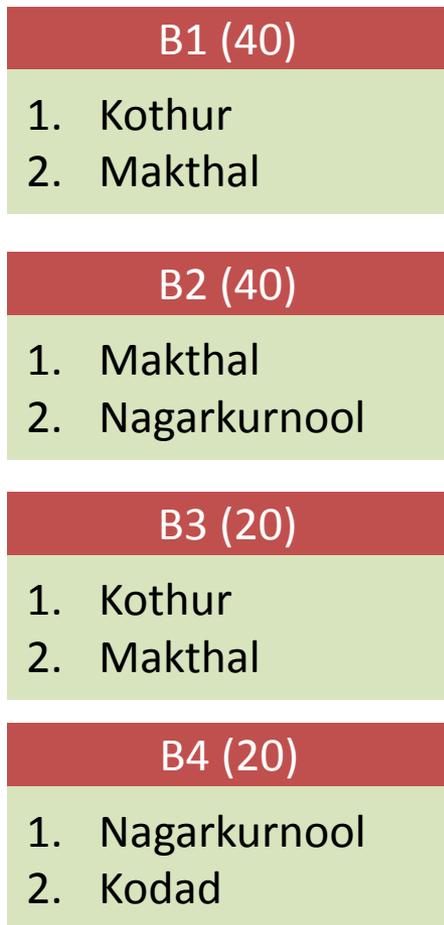
- 1. Nagarkurnool
- 2. Kodad

**Kothur s/s
accommodates B3**



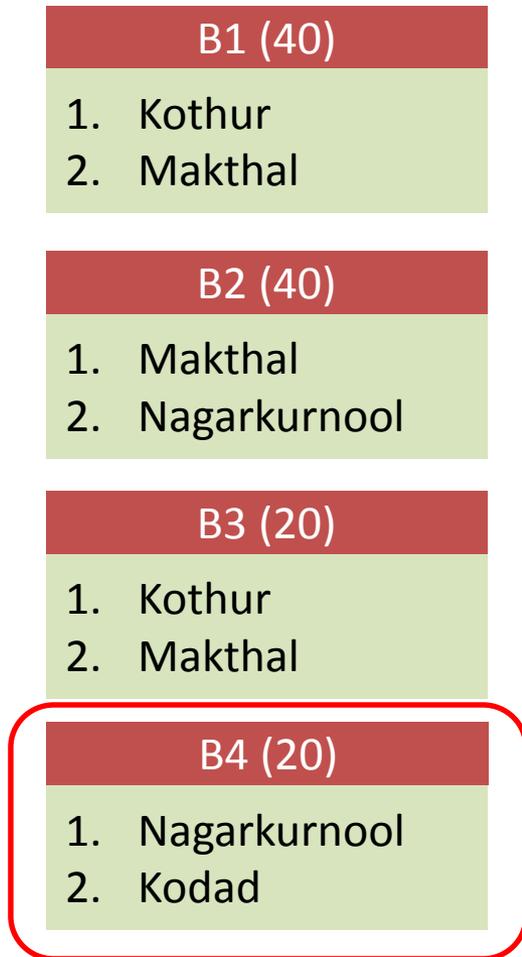
(Available capacity/ Max capacity) in MW

Illustration – District capacity



(Available capacity/ Max capacity) in MW

Illustration – District capacity



Even though Nagarkurnool s/s has capacity to accommodate B4 no capacity will be allotted at the substation as District Capacity Limit is reached

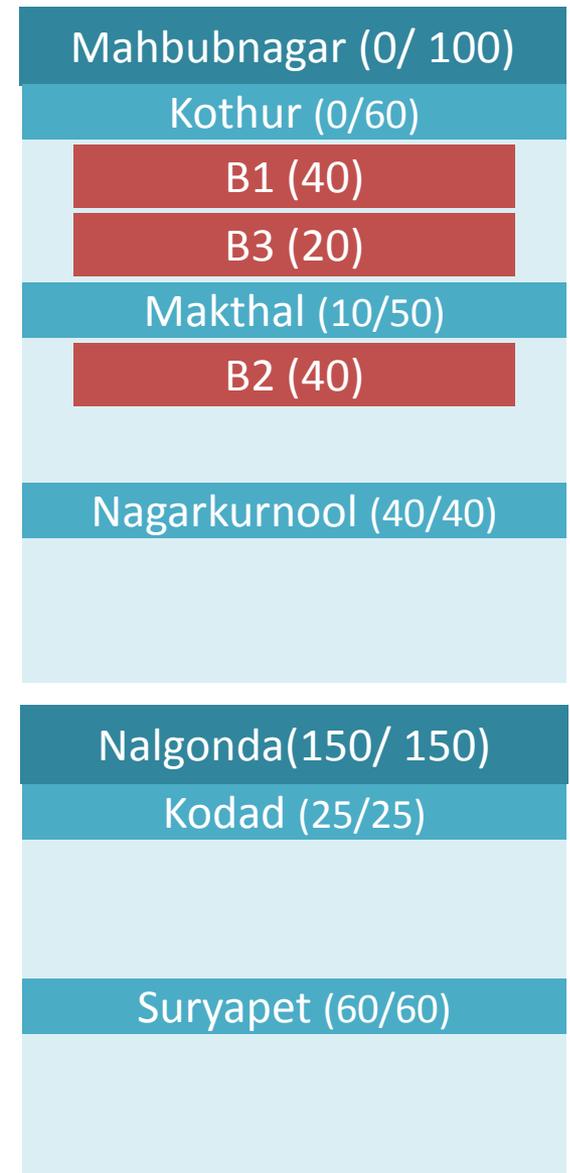


Illustration – District capacity

B1 (40)
1. Kothur
2. Makthal
B2 (40)
1. Makthal
2. Nagarkurnool
B3 (20)
1. Kothur
2. Makthal
B4 (20)
1. Nagarkurnool
2. Kodad

Capacity of all s/s
under
Mahbubnagar shall
be reduced to 0.

Kodad under
Nalgonda district
accommodates B4

Mahbubnagar (0/ 100)
Kothur (0/60)
B1 (40)
B3 (20)
Makthal (0/50)
B2 (40)
Nagarkurnool (0/40)
Nalgonda(150/ 150)
Kodad (25/25)
Suryapet (60/60)