

Contract CE/SPV-06: Design, Engineering, Supply, Storage, Civil work, Erection of suitable structure, Testing & Commissioning of the 8 MWp Solar PV project including Operation and Comprehensive Maintenance (O&M) of the project in RESCO Model for a period of 25 years on different sites of DMRC Ltd.

ADDENDUM No.4				
(SUMMARY SHEET)				
S. No.	Clause No. /Page No.	In place of	Please read as	Remarks
1.	NIT Key Details	Page 5R1 & 6R1	Page 5R2 & 6R2	Key Dates Extended
2.	2.2	Page 11	Page 11R	Deletion of clauses related to Part- B locations
3.	2.2	Page12R	Page 12R1	
4.	3.5.2(c)(i)	Page 24R	Page 24R1	
5.	3.12.1	Page 44R	Page 44R1	
6.	Price bid	Page 72	Page 72R	Modification in price bid with regard to revised list of sites (i.e. deletion of Part -B).
7.	Price bid	Page 73	Page 73R	
8.	Price bid	Page 74R	Page 74R1	
9.	Price bid	Page 75	Page 75R	
10.	Price bid	Page 76	Page 76R	
11.	Price Bid	Page 77R	Page 77R1	
12.	Section-VII	Page 154	Page 154R	Deletion of part B (i.e Ground mounted sites) & Addition of Noida Extn. stations in the list of sites.
13.		Page 155R	Page 155R1	Inclusion of list of Noida Extn. stations
14.	BOQ	The BOQ of the said tender has been revised and tenderer are requested to quote their bids in revised BOQ only. If the rates are quoted by the tenderer in old BOQ, their bids will be rejected.		

Name of Work:

DMRC (DMRC) Ltd. invites open e-tenders from eligible applicants, who fulfill qualification criteria, for the work “**Contract CE/SPV-06: Design, Engineering, Supply, Storage, Civil work, Erection of suitable structure, Testing & Commissioning of the 8 MWp Solar PV project including Operation and Comprehensive Maintenance (O&M) of the project in RESCO Model for a period of 25 years on different sites of DMRC Ltd.**”

Key details:

Approximate cost of work	Rs. 48Crore
Tender Security amount	<p>Amount of tender Security: INR 48 Lakhs</p> <p>Validity of Tender Security in case of BG: 26.09.2018</p> <p>Tender Security (in original) as per clause 3.14 of Section-III/TS shall be accepted only up to 1500 hrs on 30.01.2018 06.02.2018 21.02.2018 08.03.2018 in the office of Chief General Manager/Contracts at the address mentioned hereinafter. (GST Registration No. shall also be provided along with the tender security)</p>
Completion period of the Work	12monthsfrom Date of issue of Allotment Letter
Tender documents on sale	<p>From 22.12.2017 to 30.01.2018 06.02.2018 21.02.2018 08.03.2018(upto 15:00 hrs) on e-tendering website https://eprocure.gov.in/eprocure/app</p> <p>Tender document can only be obtained online after registration of bidder on the websitehttp://eprocure.gov.in/eprocure/app.</p>
Cost of Tender documents	<p>Rs. 23,600/- (Non- Refundable)</p> <p>(Bank Draft / Bankers Cheque issued in favour of “DMRC Limited”, payable at “New Delhi”)</p> <p>Cost of tender documents i.e., D.D. / Banker’s cheque, in original, shall be accepted only upto1500 hours on 30.01.2018 06.02.2018 21.02.2018 08.03.2018 in the office of Chief General Manager/Contracts at below mentioned address. (GST Registration No. shall also be provided along with the tender cost)</p>

Last date of Seeking Clarification	05.01.2018(Queries from bidders after due date shall not be acknowledged)
Pre-bid Meeting (1 st)	09.01.2018 at 1100 Hrs
Pre-bid Meeting (2nd)	<u>27.02.2018 at 1100 Hrs</u>
Last date of issuing addendum	12.01.2018 22.01.2018 12.02.2018 <u>21.02.2018</u>
Tender submission Start Date and Time	16.01.2018 23.01.2018 from 1500 hrs.
Tender submission End Date & Time	30.01.2018 06.02.2018 21.02.2018 <u>08.03.2018</u> up to 15:00 Hrs.
Date & time of opening of Tender	31.01.2018 07.02.2018 22.02.2018 <u>09.03.2018</u> at 15:00 Hrs.
Authority and place for submission of Tender Document cost, Pre-bid Meeting and seeking clarifications	Chief General Manager /Contracts, DMRC, 5th floor, A-Wing, Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi –110 001

Important Note: -All correspondence from DMRC pertaining to this tender till the award of the work with bidder shall be done by **Chief General Manager/Contracts, DMRC**. The bidders are advised to regularly check their email ID registered with their user account at e-tendering portal <https://eprocure.gov.in/eprocure/app> for any update / addendum / corrigendum / pre-bid and post-bid queries / any other correspondence by the Employer.

SECTION - I

A. INTRODUCTION, BID DETAILS AND INSTRUCTIONS TO THE BIDDERS

1.0. INTRODUCTION

- 1.1 DMRC invites eligible applicants to participate in the bidding process for “**IMPLEMENTATION OF 8 MWp SOLAR PV PROJECT IN DMRC**” The generated solar power will be fed to the grid, on net metering basis where ever applicable. The scheme aims to reduce the fossil fuel based electricity load on main grid and make building self-sustainable from the point of electricity, to the extent possible.
- 1.2 The Bidder is advised to read carefully all instructions and conditions appearing in this document and understand them fully. All information and documents required as per the bid document must be furnished. Failure to provide the information and / or documents as required may render the bid technically unacceptable.
- 1.3 The bidder shall be deemed to have examined the bid document, to have obtained his own information in all matters whatsoever that might affect the carrying out of the works in line with the scope of work specified elsewhere in the document at the offered rates and to have satisfied himself to the sufficiency of his bid. The bidder shall be deemed to know the scope, nature and magnitude of the works and requirement of materials, equipment, tools and labor involved, wage structures and as to what all works he has to complete in accordance with the bid documents irrespective of any defects, omissions or errors that may be found in the bid documents.

2.0 BID DETAILS

- 2.1 The bidding process is for Solar PV system to be installed on rooftop of different sites of DMRC and on the un-utilized land DMRC in RESCO model.
- 2.2 **(RESCO Model):-**Bids are invited from the prospective bidders for the Tendered Capacity as indicated below against selected sites of DMRC. DMRC shall be disbursing achievement linked incentive according to sanctioned capacity, as per the CFA approval of MNRE. Successful bidder will be selected based on the lowest evaluated price subject to Clause **6.3** of RFS.

~~The achievement-linked incentive will be available only for the sites list under Part-A (i.e. roof tops), however no CFA is available for the solar PV system to be installed at sites under Part-B (i.e. Ground Mounted).~~

~~Each bidder shall quote two levelled prices as per the formats specified in the Price Bid, one each for sites listed under Part-A and the other for sites listed under Part-B.~~

~~The Lowest bidder of Part-A will be allocated the sites of Part-A and Lowest bidder of Part-B will be allocated the sites of Part-B. In case a single bidder happened to be the lowest bidder in both Part-A and Part-B, the complete capacity will be allocated to such bidder.~~

Maximum allowable Levellised tariff for Part-A and Part-B is Rs.3.68 per kWh and the bids with Levellised tariff in excess of Rs.3.68 per kWh will be rejected.

Bidder shall note that if levellised tariff of either of the parts (i.e. Part A/ Part B) is quoted zero OR Nil OR left blank OR if levellised tariff is more than Rs. 3.68/kWh, then the bidder will be treated as non-responsive and both the parts (i.e. Part A & Part B) will be rejected.

Tariff stream quoted by the bidder shall further confirm to the following:

- i) Tariff in the first three years shall not exceed Rs. 3.68 per kWh.
- ii) Tariff in any year from 4th year onwards shall either be equal to or more than the tariff in the immediately preceding year.

Note: Bids not in conformity with above provisions will be rejected.

List of Selected Sites by DMRC

S.No	Sites of DMRC	Approx. Capacity (kWp)
PART – A		
Roof top		
1.	Station Roof tops & FoBs of Line-7 (Majlis Park – Shiv Vihar)	4000 2500
2.	Station Roof tops of Ghaziabad Extn	1200
3.	<u>Station Roof tops of Noida Extn</u>	<u>900</u>
Parking		
3-4	Parking Area line-7 (Majlis Park – Shiv Vihar)	300
4-5	Parking Area line-8 (Janakpuri West to Botanical Garden)	1000
5-6	Parking Area of Ghaziabad Extn.	500
7.	<u>Parking Area of Noida Extn</u>	<u>400</u>
Others		
6-8	Depot Service roads (All Train depots)	4500 1200
7-9	Any Other Locations of DMRC Network	
PART – B		
Ground Mounted		
8.	Unused land in Najafgarh Depot	4000
9.	Unused land inside premises of Najafgarh Staff Quarters	4500
Total Capacity		8,000

The tender is being floated for a total capacity of 8000 kWp solar PV power system to be installed at different locations as listed above.

Above is indicative capacity. Bidders have to maximize as per site available. 25% variation can be operated in these sites and any other sites. The tentative list of Sites is attached as Section VII.

The above sites or capacities indicated above may vary. However final allocation letter will indicate the capacities and sites allocated.

Attorney executed in favor of Authorized signatory of the Bidder, if it shall conclusively establish that the signatory has been authorized by the Board of Directors to execute all documents on behalf of the Bidding Company.

In case of Indian firm, the power of Attorney shall be on Non Judicial stamp paper of suitable value, duly notarized. In case of foreign applicant the power of Attorney shall be notarized in their country, and attested by the Embassy/High Commission of their country in India.

- ii. General particulars of bidders as per Format-2.
- iii. Bidder's composition and ownership structure as per prescribed Format-A.
- iv. Document in support of meeting Eligibility Criteria as per Clause no. 3.4.1 & 3.4.2.
- v. Details for meeting Financial Eligibility Criteria as per Clause no. 3.4.3 in the prescribed Format-9 along with documentary evidence for the same.
- vi. Undertakings from the Financially Evaluated Entity or its Parent Company/Ultimate Parent Company as per Format-9.
- vii. Board Resolution of the Parent Company /Ultimate Parent Company of the Bidding Company duly certified by the Company Secretary or Authorized signatory to provide the Performance Bank Guarantee (PBG) in the event of failure of the Bidding Company to do so.
- viii. ~~Signed and stamped Copy of RFS Documents including amendments & clarifications by Authorized signatory on each page.~~

(C) PRICE BID(S) AS PER SECTION-IV, Format-B and Format-C (Financial Package of Contract:-CE/SPV-06)

The Bidder shall inter-alia take into account the following while preparing and submitting the Price Bid duly signed by an authorized signatory. These are to be uploaded separately as financial package.

- i.) The Bidder shall submit Price Bid(s) in **Format B and Format C for both Part-A and Part-B separately.**

3.11 TENDER DUE DATE

The Bidder shall, on or before the date and time given in the Notice of Invitation to Tender submit his Tender online on e-tendering website <https://eprocure.gov.in/eprocure/app>

3.12 VALIDITY OF TENDER

- 3.12.1 The Tender shall be valid for a period of 180 days (both days inclusive i.e. the date of submission of tenders and the last date of period of validity of the tender) from the latest Date of Submission of Tenders, with bidder having no right to withdraw, revoke or cancel his offer or unilaterally vary the offer submitted or any terms thereof. In case of the bidder revoking or cancelling his offer or varying any term & conditions in regard thereof or not accepting letter of allocation, DMRC shall forfeit the Bid Bond furnished by him.

price) separately for each part i.e. Part-A & Part-B as per clause 2.2.

Evaluated price = Levellised Tariff as evaluated in Financial BID Format-C.

In case, two or more technically qualified bidders quote the same levellised tariff in the financial bid, and become lowest (i.e. L-1), then the tender would be awarded to the bidder having the highest annual turnover from the last audited financial year for the financially evaluated entity.

6.3.5.2 The bidder shall quote year wise tariff (Rs. /kWh) in –Financial BID for 25 years.

6.3.5.3 Not Used

6.3.5.4 Not Used

6.3.5.5 The evaluation will be done considering the Tariff quoted by the bidder, incentive will be released as per tender conditions clause 6.8 & 14.1.

6.3.5.6 Not Used

6.3.5.7 Not Used.

6.3.5.8 Not Used.

6.3.6 The Letter(s) of Allocation (LOA) shall be issued to such Successful Bidders(s) selected as per the provisions of this Clause 6.3.5.

6.3.7 Successful Bidder shall unconditionally accept the LOA, and record on one (1) copy of the LOA, "Accepted Unconditionally", under the signature of the authorized signatory of the Successful Bidder and return such copy to the DMRC within Seven (7) days of issue of LOA.

6.3.8 If the Successful Bidder, to whom the Letter of Allocation has been issued, does not fulfill any of the conditions specified in Bid document, the DMRC reserves the right to annul/cancel the award of the Letter of Allocation of such Successful Bidder and forfeit the Bid Bond / Performance security.

6.3.9 The DMRC at its own discretion, has the right to reject any or all the Bids without assigning any reason whatsoever, at its sole discretion.

6.3.10 There shall be no negotiation on the quoted Project cost or achievement linked incentive between the DMRC and the Bidder(s), during the process of evaluation.

6.4 INCREASE/DECREASE OF BIDDER ALLOCATED CAPACITY

6.4.1 DMRC reserves the right to increase/decrease the Bidder Allocated Capacity by up to twenty five percent (25%) for each station/site or any other site at the sole discretion of DMRC.

6.4.2 Not Used.

6.4.3 In case capacity is enhanced by DMRC as per Clause 6.4.1 above, Successful bidder shall submit the equivalent amount of PBG to DMRC within 30 days from the date of issue of allocation letter /sanction letter.

6.5 Not Used.

6.6 NOTIFICATION TO SUCCESSFUL BIDDERS

6.6.1 Prior to the expiry of the period of tender validity prescribed by the Employer, the Employer will notify the successful Bidder by telegram or Tele-fax, to be

SECTION-IV**Format-B(Roof Top sites)****(To be submitted in a separate package as financial bid as per clause 3.10.1 (C) of Section-1)****Contract: -CE/SPV-06**

S.No	Description	Name of the Sites	Approx. total Capacity in MWp	Project cost excluding O&M for the scope of work as per Bid document (Rs./ MWp)	Total Project Cost excluding O&M Quoted by bidder In Rs. (A)
1	Design,Engineering, Supply, Storage, Civil work, Erection of suitable structure, Testing & Commissioning of the 8 MWp Solar PV project including Operation and Comprehensive Maintenance (O&M) of the project in RESCO Model for a period of 25 years on different sites of DMRC Ltd.	Stations, Depots and station Parkings	5.58 MWp (refer clause 2.2)		

Date:

Signature:.....

Place:

Printed Name.....

Business Address:

Designation:.....

Country of Incorporation:

(Common Seal).....

(State or Province to be indicated)

SECTION – IVFormat –C (~~Roof Top sites~~)**PRICE BID FOR RESCO MODEL****(To be submitted in a separate package as financial bid as per clause 3.10.1 (C) of Section-1)**

Year of Operation (Refer PPA Clause 7.1)	Tariff (Rs/kWh)	Discount Factor at 11%	Discounted Tariff (Rs/kWh)
1	2	3	4=(2)X(3)
1		1.000	
2		0.901	
3		0.812	
4		0.731	
5		0.659	
6		0.593	
7		0.535	
8		0.482	
9		0.434	
10		0.391	
11		0.352	
12		0.317	
13		0.286	
14		0.258	
15		0.232	
16		0.209	
17		0.188	
18		0.17	
19		0.153	
20		0.138	
21		0.124	
22		0.112	
23		0.101	
24		0.091	
25		0.082	

Total (1 to 25)		A= 9.351	B
Levellised Tariff for 25 years(in Rs /kWh)			
Levellised Tariff for 25 years in words			

i. **Levellised tariff = B/A (Maximum Rs 3.68 Per kWh as per clause 6.2.2)**

The bids will be accepted if Levellised tariff is considered reasonable by DMRCw.r.t purchase tariff of electricity from the Grid.

Date:-.....

Signature:-.....

Place:-.....

Name:-.....

Address: -

Company Seal

Bidder shall note that if levellised tariff of either of the parts (i.e. Part A / Part B) is quoted zero OR Nil OR left blank OR if levellised tariff is more than Rs. 3.68/kWh, then the bidder will be treated as non-responsive and both the parts (i.e. Part A & Part B) will be rejected.

Format-B(Ground mounted sites)

(To be submitted in a separate package as financial bid as per clause 3.10.1 (C) of Section-1)

Contract: CE/SPV-06

S.No	Description	Name of the Sites	Approx- total Capacity in MWp	Project cost excluding O&M for the scope of work as per Bid document (Rs./ MWp)	Total Project Cost excluding O&M Quoted by bidder In Rs. (A)
4	Design, Engineering, Supply, Storage, Civil work, Erection of suitable structure, Testing & Commissioning of the 8 MWp Solar PV project including Operation and Comprehensive Maintenance (O&M) of the project in RESCO Model for a period of 25 years on different sites of DMRC Ltd.	Ground Mounted	2.5MWp (refer clause 2.2)	-	-

Date: Signature:.....

Place: Printed Name.....

Business Address: Designation:.....

Country of Incorporation: (Common Seal).....

(State or Province to be indicated)

SECTION – IV
Format – C (Ground mounted sites)
PRICE BID FOR RESCO MODEL
(To be submitted in a separate package as financial bid as per clause 3.10.1 (C) of Section-1)

Year of Operation– (Refer PPA Clause- 7.1)	Tariff- (Rs/kWh)	Discount- Factor at 11%	Discounted- Tariff (Rs/kWh)
1	2	3	4=(2)X(3)
1		1.000	
2		0.901	
3		0.812	
4		0.731	
5		0.659	
6		0.593	
7		0.535	
8		0.482	
9		0.434	
10		0.391	
11		0.352	
12		0.317	
13		0.286	
14		0.258	
15		0.232	
16		0.209	
17		0.188	
18		0.17	
19		0.153	
20		0.138	
21		0.124	
22		0.112	
23		0.101	
24		0.091	
25		0.082	

Total (1 to 25)		A= 9.351	B
Levellised Tariff for 25 years(in Rs /kWh)			
Levellised Tariff for 25 years in words			

ii. ~~Levellised tariff = B/A (Maximum Rs 3.68 Per kWh as per clause 6.2.2)~~

~~The bids will be accepted if Levellised tariff is considered reasonable by DMRC w.r.t purchase tariff of electricity from the Grid.~~

Date:-..... Signature:-.....

Place:-..... Name:-.....

Address:-..... Company Seal

Bidder shall note that if levellised tariff of either of the parts (i.e. Part A / Part B) is quoted zero OR Nil OR left blank OR if levellised tariff is more than Rs. 3.68/kWh, then the bidder will be treated as non-responsive and both the parts (i.e. Part A & Part B) will be rejected.

Section- VII
Site Details of Metro Stations and Depot

S.No	Sites of DMRC	Approx. Capacity(kWp)
1	Stations, Depots and Station Parkings	8000
	Approx. Total Capacity	8000 kWp

Note - Tentative Solar PV Plant capacities

- Locations are tentative and may change during execution

List of tentative sites

S.No	Sites of DMRC	Approx. Capacity (kWp)
PART – A		
Roof top		
1.	Station Roof tops & FoBs of Line-7 (Majlis Park – Shiv Vihar)	4000 2500
2.	Station Roof tops of Ghaziabad Extn	1200
3.	<u>Station Roof tops of Noida Extn</u>	900
Parking		
3-4	Parking Area line-7 (Majlis Park – Shiv Vihar)	300
4-5	Parking Area line-8 (Janakpuri West to Botanical Garden)	1000
5-6	Parking Area of Ghaziabad Extn.	500
7.	<u>Parking Area of Noida Extn</u>	400
Others		
6-8	Depot Service roads (All Train depots)	1500 1200
7-9	Any Other Locations of DMRC Network	
PART – B		
Ground Mounted		
8.	Unused land in Najafgarh Depot	4000
9.	Unused land inside premises of Najafgarh Staff Quarters	4500
Total Capacity		8,000

Model Solar plant to be installed in depot service road Parking Structure



Minimum height and width for elevated structure of service structure shall be 5.5 m

Minimum height for parking structure of service structure shall be 2.5 m

Line 7: Total Station:38 26		Total elevated station: 26	
S.No	Station	S.No	Station
1.	Majlis park	14.	Vinod Nagar
2.	Shakurpur	15.	I P Extension
3.	Punjabi Bagh West	16.	Anand Vihar
4.	ESI Hospital	17.	Karkarduma
5.	Rajouri Garden	18.	Karkarduma Court
6.	Maya Puri	19.	Krishna Nagar
7.	Delhi Cantt	20.	East Azad Nagar
8.	D D South Campus	21.	Welcome
9.	Moti Bagh	22.	Jaffrabad
10.	Mayur Vihar-I	23.	Maujpur
11.	Mayur Vihar Pocket-I	24.	Gokul Puri
12.	Trilok Puri	25.	Johri Enclave
13.	Vinod Nagar East	26.	Shiv Vihar

Ghaziabad Extn:Total Station:08		Total elevated station: 08	
S.No	Station	S.No	Station
1.	New Bus Adda	5.	Shyam Park
2.	Hindon River	6.	Rajendra Nagar
3.	Arthala	7.	Rajbagh
4.	Mohan Nagar	8.	Shahid Nagar

Noida Extn: Total Station: 06		Total elevated station: 06	
S.No	Station	S.No	Station
<u>1.</u>	<u>Noida Sec-34</u>	<u>4.</u>	<u>Noida Sec - 59</u>
<u>2.</u>	<u>Noida Sec - 52</u>	<u>5.</u>	<u>Noida Sec - 62</u>
<u>3.</u>	<u>Noida Sec - 61</u>	<u>6.</u>	<u>Noida Electronic City</u>