



DMICDC NEEMRANA SOLAR POWER COMPANY LIMITED

OFFICE ADDRESS: 341-B, HOTEL ASHOK,
50-B, DIPLOMATIC ENCLAVE, CHANAKYAPURI,
NEW DELHI-110021

SITE ADDRESS: PLOT NO. 80 & 81, JAPANESE ZONE
RIICO INDUSTRIAL AREA, NEEMRANA
DISTRICT-ALWAR
RAJASTHAN-301705

TENDER DOCUMENT

FOR

LANDSCAPING AND HORTICULTURE WORKS AT 5MW
SOLAR POWER PLANT WITH ONE YEAR MAINTENANCE,
NEEMRANA, RAJASTHAN

ESTIMATED COST: Rs.35.00 Lacs

CLIENT:

M/s DMICDC Neemrana Solar Power company Limited
341-B, 3rd Floor, Hotel Ashok,
50-B, Diplomatic Enclave,
Chanakyapuri, New Delhi-110021

DISCLAIMER:

1. This tender document is neither an agreement nor an offer by the DMICDC Neemrana Solar Power Company Limited (DNSPCL) to the prospective Applicants or any other person. The purpose of this tender is to provide information to the interested parties that may be useful to them in the formulation of their proposal pursuant to this tender.
2. DNSPCL does not make any representation or warranty as to the accuracy, reliability or completeness of the information in this tender document and it is not possible for DNSPCL to consider particular needs of each party who reads or uses this tender document. This tender includes statements which reflect various assumptions and assessments arrived at by DNSPCL. Such assumptions, assessments and statements do not purport to contain all the information that each Applicant may require. Each prospective applicant should conduct its own investigations and analyses and check the accuracy, reliability and completeness of the information provided in this tender document and obtain independent advice from appropriate sources.
3. DNSPCL will not have any liability to any prospective Company/ Firm/ Consortium or any other person under any laws (including without limitation the law of contract, tort), the principles of equity, restitution or unjust enrichment or otherwise for any loss, expense or damage which may arise from or be incurred or suffered in connection with anything contained in this tender document, any matter deemed to form part of this tender document, the award of the Assignment, the information and any other information supplied by or on behalf of DNSPCL or their employees or otherwise arising in any way from the selection process for the Assignment. DNSPCL will also not be liable in any manner whether resulting from negligence or otherwise however caused arising from reliance of any Applicant upon any statements contained in this tender.
4. DNSPCL will not be responsible for any delay in receiving the proposals. The issue of this tender does not imply that DNSPCL is bound to select an Applicant or to appoint the Selected Applicant, as the case may be and DNSPCL reserves the right to accept/reject any or all of proposals submitted in response to this tender document at any stage without assigning any reasons whatsoever. DNSPCL also reserves the right to withhold or withdraw the process at any stage with intimation to all who submitted the tender Application.
5. The information given is not an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. DNSPCL accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on the law expressed herein.

6. DNSPCL reserves the right to change/ modify/ amend any or all provisions of this tender document. Such revisions to the tender/ amended tender will be made available on the website of DNSPCL.

BACKGROUND:

Government of India in association with Government of Japan developed a Model Solar Power Project at Neemrana, Rajasthan using cutting edge Japanese technology. The Model Solar Power Project is conceived as the first Smart Micro-Grid project in India, to demonstrate the integration of solar power with industrial diesel generator sets (as the backup facility). The Model Solar Power Project consists of the development of 6 MW Solar PV and 1.6 MW Diesel Generator Set integrated with a Smart Micro Grid feeding power to industrial consumers in Neemrana Industrial Park.

PROJECT OBJECTIVES

The objectives of the project include:

- Demonstrating the implementation of an integrated solar and smart grid project;
- Encourage the use of sustainable, carbon neutral and efficient energy mechanisms;
- Wide dissemination of the technology and its performance in India.

The project would not only produce green power but also save on carbon dioxide emissions by reducing diesel consumption while incorporating cutting edge technology from Japan. The success of the project is also expected to promote the manufacture of solar panels and other equipment facilities in India.

Technical Bid

1. Check list of Tender Submission
2. Technical Requirements
3. Schedule of Work

S. No.	Check List for submission of Technical Documents	Attached	
		Yes	No
1.	Tender Documents Duly Signed & Stamped		
2.	Required EMD as applicable Rs. 75,000/-		
3.	Tender Fee Rs. 1000/- (non refundable)		
4.	Proof of average annual financial turnover of firm during last 3 years ending 31 st March (i.e. 2012-13, 2013-14 & 2014-15) equal or more than 30 % of the estimated cost.		
5.	Proof of having successfully completed similar works during last 7 years ending last days of the month previous to one in which tenders are invited as per following.		
	a. 3 similar completed works costing more than or amount equal to 40% of the estimated cost. OR		
	b. 2 similar completed works costing more than or amount equal to 50% of the estimated cost. OR		
	c. 1 similar completed works costing to more than or amount equal to 80% of the estimated cost. OR		
6.	Copy of PAN No.		
7.	Proof of Registration with Service Tax & VAT/WCT		
8.	Copies of Similar work executed in last 3 years along with work order issued by the clients		
9.	History & Structure of Firm, Name of Directors/Proprietary/ Partners with technical staff		
10.	List of Machineries, Tools Plant & Equipments		
11.	Audited Balance Sheets of Last 3 Years		
	For the year 2012-13		
	For the year 2013-14 For the year 2014-15		
12.	All the above certificates/documents shall be submitted by the firms duly signed with seal and original shall be produced for verification as reqd.		

Technical Requirements

Name of Work: "Landscaping and Horticulture Works at 5MW Solar Power Plant with One Year Maintenance" at DMICDC Neemrana Solar Power Company Limited, Plot No.-80 & 81, Japanese Zone, RIICO Industrial Area, Neemrana, Distt. - Alwar, Rajasthan-301705.

1. Sealed tenders are invited on behalf of M/s DMICDC Neemrana Solar Power Company Limited for "Landscaping and Horticulture Works at 5MW Solar Power Plant with One Year Maintenance" at Plot No.-80 & 81, Japanese Zone, RIICO Industrial Area, Neemrana, Distt. - Alwar, Rajasthan-301705.
2. Estimated Cost (TS) : Rs. 35.00 Lacs
(This estimate however, is given merely as a rough guide)
3. EMD : Rs. 75,000/-
4. Cost of Tender Document : Rs. 1000/-
5. Completion Time from the date of award : 60 days
(Development Work)
6. Downloading of Tender Documents starts on : 28th April, 2016
7. Last date for downloading of Tender Documents : 14th May, 2016
8. Last date & time for Submission of Tender : 16th May, 2016 at 3PM
9. Date & Time for Opening of Tender : 16th May, 2016 at 3.30 PM
10. **Method of Selection:** The client will select the applicant who will quote the lowest amount for the said works. The detailed description of the works to be carried out is enclosed at "Annexure-A"
11. **Brief Description of the Selection Process:** The Client has adopted a two stage selection process (collectively the "Selection Process") for evaluating the Proposals comprising the Technical and Financial Proposals to be submitted in two separate sealed envelopes. The Technical Proposal along with the EMD and Tender fee shall be placed separately in a sealed envelope titled "Technical Proposal". Financial proposal should be placed separately in sealed envelope titled "Financial proposal". The technical evaluation as specified in this tender will be carried out only for those Applicants who submit the EMD amount and tender fee as prescribed in this tender. Based on this technical evaluation, a list of technically qualified Applicants shall be

prepared. Only the Financial Proposals of technically qualified Applicants will be opened. The Applicant quoting the lowest amount shall be preferred for award of project (the "Selected Applicant") while the second ranked Applicant will be kept in reserve.

12. **Clarification and amendment of tender documents:** Interested Parties may seek clarification on this tender document. Any request for clarification must be sent by standard electronic means (PDF and word file)/ fax to the Client's office addressed to:

Managing Director,
DMICDC Neemrana Solar Power Company Limited,
Room No. 341B, 3rd Floor, Hotel Ashok, Diplomatic Enclave,
50B Chanakyapuri, New Delhi - 110021, India
Phone: 011-2611 8884-8 Fax: 011-26118889
Email: contactus@dmicdc.com, tenders@dmicdc.com

The Client will endeavor to respond to all the queries. The Client will post the reply to all such queries on its official website i.e. www.dmicdc.com

13. The EMD (Refundable) of Rs. 75,000/- and the cost of tender document (Non-Refundable) of Rs. 1000/- are to be submitted through Pay Order/Demand Draft drawn on **DMICDC Neemrana Solar Power Company Limited** payable at New Delhi. Please do not use any abbreviation in the demand draft.

No interest will be payable on EMD. In the case of successful bidder, earnest money deposit will be adjusted towards the security deposit or it may be forfeited in case the successful bidder refuses to accept the award of supply or fails to complete the required formalities within the specified and permitted time. The earnest money is refundable to the unsuccessful bidders only after the finalization of the tender. The tender without EMD will be summarily rejected.

14. Successfully completed "**Similar Work**" (Similar Works means "**Horticulture Works**" during last seven years.
 - a. Three similar completed works costing not less than the amount equal to 40% of the estimated cost
OR
 - b. Two similar completed works costing not less than the amount equal to 50% of the estimated cost
OR
 - c. One similar completed work costing not less than the amount equal to 80% of the estimated cost.

15. Copies of similar works executed in last three years along with work order/completion certificate issued by the previous clients showing the nature of work and their value.

16. Proof Copy of valid PAN No.
17. Proof Copy of Registration of Service Tax and VAT/WCT.
18. Audited Balance Sheet for the last three Financial Years and i.e.
 - (a) For the F.Y 2014-2015
 - (b) For the F.Y 2013-2014
 - (c) For the F.Y 2012-2013
19. Proof of average annual financial turn over during last three years ending previous financial year (31st March 2015) should be at least 30% the estimated cost as per format.
20. History and Structure of firm, Name of Director(s)/ Partner(s)/ Proprietor with technical staff.
21. List of Machinery, Tools, Plants & Equipment.
22. The tender has to be submitted in DNSPCL office at 341-B, Hotel Ashok, 50-B, Diplomatic Enclave, Chanakyapuri, New Delhi-110021.
23. Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to the risk, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site, whether he inspect it or not and no extra charges consequent on any misunderstandings or he inspect it or not and no extra charges consequent on any misunderstandings or otherwise shall be allowed.
24. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself of the scope and specifications of the work to be done and of the conditions and rates at which stores, tools, plant etc. will be issued to him by the corporation and local conditions and other factors bearing on the execution of the work.
25. All rates shall be quoted in tender form and shall include all materials, labour, transportation, all taxes, duties, testing, commissioning supervision tool , plant , wastage, sunrise, scaffoldings as required mobilization demobilization etc. and nothing extra shall be payable on this account.

Value added tax or any other tax on materials in respect of this contract shall be payable by the contractor and the corporation will not entertain any claim whatsoever in this respect.
26. The contractor shall be solely responsible for complying with the provision of EPF and misc. Provision Act 1952 and ESI Act relating to manpower engaged to this contract in due event of any liability on DNSPCL by virtue of its being the principle employer due to failure of contract to comply the said Acts. The contractor shall indemnify and reimburses the amount payable to DNSPCL on this Account.

27. In case of item tenders, only rates quoted shall be considered. Any tender containing percentage below/above the rates quoted is liable to be rejected.
28. The tender for the works shall not be witnessed by a contractor or contractors who himself/themselves has/have tendered or who may and has/have tendered for the same works. Failure to observe this condition shall render the tender of the contractor tendering as well as of those witnessing the tender liable to rejection.
29. On acceptance of tender, the earnest money will be treated as part of the Security.
30. The DMICDC Neemrana Solar Power Company Limited will return the earnest money, where applicable to every unsuccessful tenderer.
31. A tenderer shall submit the tender whom satisfies each and every condition laid down in this notice, failing which the tender will be liable to be rejected.
32. The tenderer whose tender is accepted, shall permit the corporation at time of making any payment to him for work done under the contract to deduct towards security deposit such sum as will along with the amount of earnest money already deposit to 10% of the gross amount of the bill.
33. The DMICDC Neemrana Solar Power Company Limited does not bind them to accept the lowest or any tender or to give any reasons for their decisions.
34. This notice of tender shall form part of the Contract Documents.
35. The DMICDC Neemrana Solar Power Company Limited reserve to themselves the right of accepting the whole or any part of the tender and tenderer shall be bound to perform the same at his quoted rates.
36. The validity of the tender(s) shall be up to 90 (Ninety) days from the date of submission of tender(s).
37. In case it is found during the evaluation or at any time before signing of the contract or after its execution and during the period of subsistence thereof that one or more of the eligibility condition have not been met by the applicant or the applicant has made material misrepresentation or has given any materially incorrect or false information, the applicant shall be disqualified forth with, if not yet, appointed as the contractor/supplier and if the applicant has already issued the LOA or has entered into the contract, as the case may be, same shall notwithstanding anything to the contrary contained therein liable to be terminated along with forfeiture of Earnest Money Deposit (EMD)/ Performance Security by a Communication in writing by the Corporation to the Applicant, without the Corporation being liable In any manner whatsoever to the applicant and Without prejudice to any other right or remedy which the Corporation may have with initiation of any appropriate panel action as per the applicable law.
38. The rates of the contractor shall be inclusive of labour cess at the rate of 1%

or as applicable and necessary recovery of labour cess shall be made from bill by the DNSPCL to be deposited with labour board of concern state.

39. The notice of tender shall form part of the contract document.
40. All Corrigendum/Extension regarding the tender shall be published on the mentioned website only.
41. **Schedule of Completion of works and Payment Terms:** The work shall be completed as per the following milestones. The payment shall be released against each items only on completion of the respective milestone or part thereof.

Sr. No.	Deliverables Description	Days (D denotes commencement date)	Payment Percentage
PART A1 : HORTICULTURE WORKS			
1.	Trenching including removal of serviceable materials and disposal of by spreading and leveling within a lead upto 50M by filling with earth and mixing with manure and after flooding trenches with water, rough dressing and fine dressing of ground.	D+7	5% of Part A
2.	Supply of cow dung, manure, pulverised & un- decordicated neem oil cake, steamed bone meal, Gypsum, chlorpyriphos 20% E.C	D+15	5% of Part A
3.	Preparation of lawn for grassing by excavation to a depth of 30cm removing all foreign bodies over 50mm dia , refilling with the mix of earth and manure in ratio 3:1 grade lawn area to finish levels as indicated on grading plants. All lawn area shall slope to drain where no grades between continual grade between exiting or fixed controls (such as walk curbs catch besin elevation at steps on building and levels shown on plants roll scarify rank and level as necessary to obtain true even lawn surfaces. All finish grades shall meet approval of the project engineer before grassing is done. Grassing with seeding of grass including watering till the grass is fit for moving including mowing its complete.	D+40	40% of Part A
4.	Supply and Planting of Trees, Shrubs, Hedge as per BOQ	D+50	20% of Part A

5.	Satisfactory completion of work	D+60	10% of Part A
PART A2. QUATERLY MAINTENANCE			
6.	Maintenance of trees/ shrubs/lawn/ground cover by providing malies for weeding, hoeing removal of grass pruning, anti termite treatment, water stacking for 3 months including all related tools, grass cutting machinery, watch and ward complete including supply of cow dung, manure, fertilizers, chlorpyriphos 20% E.C for anti termite treatment, etc. Water source/system will be provided by client. Part A2 maintenance work will be started after the completion of Part A1 as mentioned above.	D+150	20% of Part A at the completion of the work
PART B. ANNUAL MAINTENANCE			
7.	Maintenance of trees/ shrubs/lawn/ground cover by providing malies for weeding, hoeing removal of grass pruning, anti termite treatment, water stacking for 3 months including all related tools, grass cutting machinery, watch and ward complete including supply of cow dung, manure, fertilizers, chlorpyriphos 20% E.C for anti termite treatment, etc. Water source/system will be provided by client. Part B maintenance work will be started after the completion of Part A as mentioned above.	12 Months	Monthly Proportionate payment will be made.

42. **Financial Proposal:** The applicants should submit their financial quotes as per the details mentioned in "**Annexure-B**".
43. The schedule of work (BOQ) is attached at "**Annexure-C**". The quantity mentioned in BOQ is estimated. It may differ as per site condition. The payment will be made as per actual quantity of work done.
44. **Water source/water irrigation system will be provided by the client.**
45. **During maintenance if the performance is found to be unsatisfactory, the services of AMC may be terminated by giving 15 days' notice in advance.**

For and on behalf of the

DMICDC Neemrana Solar
Power Company Limited

Financial Proposal Submission Form

To
Managing Director,
DMICDC Neemrana Solar Power Company Limited,
Room No. 341B, 03rd Floor, Hotel Ashok
Diplomatic Enclave, 50B Chanakyapuri,
New Delhi - 110021
India

Dear Sir,

Subject: Landscaping and Horticulture Works at 5MW Solar Power Plant with One Year Maintenance.

We, the undersigned, offer to provide the services for “**Landscaping and Horticulture Works at 5MW Solar Power Plant with One Year Maintenance**” in accordance with your proposal dated [date] and our Proposal. Our attached Financial Proposal is for the sum of Rs. [amount(s) in words and figures].

Our Financial Proposal shall be binding upon us subject to the modifications resulting from arithmetic correction, if any, up to expiration of the validity period of the Proposal, i.e. [date].

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely “Prevention of Corruption Act 1988”.

We understand you are not bound to accept any Proposal you receive.

We remain,

Yours sincerely,

Authorized Signature [In full and initials]:

Name and Title of Signatory:

Name of Firm:

Address:

Annexure-"A"

NAME OF WORK: - LANDSCAPING AND GRASSING WORKS AT 5MW SOLAR POWER PLANT WITH ONE YEAR MAINTENANCE.
NEEMRANA, RAJASTHAN

S.No	Description of Item
PART A1: HORTICULTURE WORKS	
1	Trenching in ordinary soil upto 30cm including removal of stacking of servicable material and disposal of by spreading and leveling within a lead upto 50m and making upto trenched area to proper levels by filling with earth or earth mixed with manure before and after flooding trenches with water (excluding cost imported earth sludge and manure)
2	Rough dressing the trenched ground including breaking clods
3	Fine Dressing of ground
4	Preparation of lawn for grassing by excavation to a depth of 30cm removing all foreign bodies over 50mm dia , refilling with the mix of earth and manure in ratio 3:1 grade lawn area to finish levels as indicated on grading plants. All lawn area shall slope to drain where no grades between continual grade between exiting or fixed controls (such as walk curbs catch besin elevation at steps on building and levels shown on plants roll scarify rank and level as necessary to obtain true even lawn surfaces. All finish grades shall meet approval of the project engineer before grassing is done. Grassing with seeding of grass including watering till the grass is fit for moving including mowing its complete.
5	Preparation of beds in ordinary soil for ground cover & hedge etc complete item
6	Digging of holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio 2:1 by volume (2 part of stacked volume with water dressing including removal of rubbish and surplus earth if any with all leads and lifts cost of manure, sludge of extra good earth if needed to be paid for separately.
a	(size 0.90m x 0.90m x 0.90m) for trees
b	(size 0.90m x 0.90m x 0.90m) for shrubs
7	Supplying and stacking of well decayed cow dung manure at site including royalty and carriage with all leads and lifts (manure shall be measured in stacks and will be reduced by 8% for payment.)
8	Supply of pulverised & un- decordicated neem oil cake at site packed in old gunny bags. (the weight of empty bag @ 1 kg will be reduced from quantity) 1.0 kg per plant.
9	Supply of steamed bone meal at site packed in old gunny bag (he weight of empty bag @ 1kg will be reduced from quantity).
10	Supply of Gypsum at site.
11	Supply of chlorpyriphos 20% E.C for anti termite treatment of plants @ 2ml./plant and in the interval 1 month up to one year i.e. 12 times in a year hence it comes 0.24ml/plant or 0.024ltr/plant.
12	Supply & planting of plants/shrubs/lawn/ground cover/hedge as required by Engineer Incharge in polythene bags or in earthen pots well branched well established & free from disease at sites including stacking with bamboo.

Annexure-"A"

NAME OF WORK: - LANDSCAPING AND GRASSING WORKS AT 5MW SOLAR POWER PLANT WITH ONE YEAR MAINTENANCE.
NEEMRANA, RAJASTHAN

Trees	
a)	Bottle brush (7'-8' ht)
b)	General Plant (Ashok Pendula)
Shrubs	
a)	Bougainvillia (3'-4') Multi Colour (Named Variety)
b)	Phoenix palm (3'ht)
c)	Calendra (3'-4')
d)	Cassia Gluca (3'-4')
Hedge	
a)	Enermi (1')
PART A2. QUATERLY MAINTENANCE	
1	Maintenance of trees/ shrubs/lawn/ground cover by providing malies for weeding hoeing removal of grass pruning, anti termite treatment, watering stacking for 3 months including all related tools, grass cutting machinery, watch and ward complete.
a	Trees (for 3 Months)
b	Shrubs (for 3 Months)
c	Lawn Area (for 3 Months)
d	Hedge (for 3 Months) without watering
PART B. ANNUAL MAINTENANCE	
1	Maintenance of trees/ shrubs/lawn/ground cover by providing malies for weeding hoeing removal of grass pruning, anti termite treatment, watering stacking for 12 months including all related tools, grass cutting machinery, watch and ward complete.
a	Trees (for 12 Months)
b	Shrubs (for 12 Months)
c	Lawn Area (for 12 Months)
d	Hedge (for 12 Months) without watering

FINANCIAL PROPOSAL**NAME OF WORK: - LANDSCAPING AND GRASSING WORKS AT 5MW SOLAR POWER PLANT WITH ONE YEAR MAINTENANCE, NEEMRANA, RAJASTHAN**

S.No	Description of Item	Unit	Qty	Rate	Amount
PART A1: HORTICULTURE WORKS					
1	Trenching in ordinary soil upto 30cm including removal of stacking of servicable material and disposal of by spreading and leveling within a lead upto 50m and making upto trenched area to proper levels by filling with earth or earth mixed with manure before and after flooding trenches with water (excluding cost imported earth sludge and manure)	Cu. M	56599		
2	Rough dressing the trenched ground including breaking clods	Per 100 Sq. M	943.32		
3	Fine Dressing of ground	Per 100 Sq. M	943.32		
4	Preparation of lawn for grassing by excavation to a depth of 30cm removing all foreign bodies over 50mm dia , refilling with the mix of earth and manure in ratio 3:1 grade lawn area to finish levels as indicated on grading plants. All lawn area shall slope to drain where no grades between continual grade between exiting or fixed controls (such as walk curbs catch besin elevation at steps on building and levels shown on plants roll scarify rank and level as necessary to obtain true even lawn surfaces. All finish grades shall meet approval of the project engineer before grassing is done. Grassing with seeding of grass including watering till the grass is fit for moving including mowing its complete.	Sq. M	94332		
5	Preparation of beds in ordinary soil for ground cover & hedge etc complete item	Cu. M	792		
6	Digging of holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio 2:1 by volume (2 part of stacked volume with water dressing including removal of rubbish and surplus earth if any with all leads and lifts cost of manure, sludge of extra good earth if needed to be paid for separately.				
a	(size 0.90m x 0.90m x 0.90m) for trees	No.s	50		
b	(size 0.90m x 0.90m x 0.90m) for shrubs	No.s	250		
7	Supplying and stacking of well decayed cow dung manure at site including royalty and carriage with all leads and lifts (manure shall be measured in stacks and will be reduced by 8% for payment.)	Cu. M	56.5		
8	Supply of pulverised & un-decordicated neem oil cake at site packed in old gunny bags. (the weight of empty bag @ 1 kg will be reduced from quantity) 1.0 kg per plant.	Kg	505		
9	Supply of steamed bone meal at site packed in old gunny bag (he weight of empty bag @ 1kg will be reduced from quantity).	Kg	505		
10	Supply of Gypsum at site.	Kg	1010		
11	Supply of chlorpyriphos 20% E.C for anti termite treatment of plants @ 2ml./plant and in the interval 1 month up to one year i.e. 12 times in a year hence it comes 0.24ml/plant or 0.024ltr/plant.	Litre	40		
12	Supply & planting of plants/shrubs/lawn/ground cover/hedge as required by Engineer Incharge in polythene bags or in earthen pots well branched well established & free from disease at sites including stacking with bamboo.				

FINANCIAL PROPOSAL

NAME OF WORK: - LANDSCAPING AND GRASSING WORKS AT 5MW SOLAR POWER PLANT WITH ONE YEAR MAINTENANCE, NEEMRANA, RAJASTHAN

Trees

a)	Bottle brush (7'-8' ht)	No.s	50		
b)	General Plant (Ashok Pendula)	No.s	100		

Shrubs

a)	Bouganvillia (3'-4') Multi Colour (Named Variety)	No.s	600		
b)	Phoenix palm (3'ht)	No.s	50		
c)	Calendra (3'-4')	No.s	100		
d)	Cassia Gluca (3'-4')	No.s	100		

Hedge

a)	Enermi (1')	No.s	13200		
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Sub Total A1

PART A2. QUATERLY MAINTENANCE

1	Maintenance of trees/ shrubs/lawn/ground cover by providing malies for weeding hoeing removal of grass pruning, anti termite treatment, watering stacking for 3 months including all related tools, grass cutting machinery, watch and ward complete.				
a	Trees (for 3 Months)	No.s	150		
b	Shrubs (for 3 Months)	No.s	850		
c	Lawn Area (for 3 Months)	Acre	23.3		
d	Hedge (for 3 Months) without watering	Sq. M	792		

Sub Total A2

Total (PART A1 + PART A2)

FINANCIAL PROPOSAL

NAME OF WORK: - LANDSCAPING AND GRASSING WORKS AT 5MW SOLAR POWER PLANT WITH ONE YEAR MAINTENANCE, NEEMRANA, RAJASTHAN

PART B. ANNUAL MAINTENANCE

1	Maintenance of trees/ shrubs/lawn/ground cover by providing malies for weeding hoeing removal of grass pruning, anti termite treatment, watering stacking for 12 months including all related tools, grass cutting machinery, watch and ward complete.				
a	Trees (for 12 Months)	No.s	150		
b	Shrubs (for 12 Months)	No.s	850		
c	Lawn Area (for 12 Months)	Acre	23.3		
d	Hedge (for 12 Months) without watering	Sq. M	792		
Sub Total PART B					
Total (PART A1 + PART A2 + PART B)					

BOQ

NAME OF WORK: - LANDSCAPING AND GRASSING WORKS AT 5MW SOLAR POWER PLANT WITH ONE YEAR MAINTENANCE, NEEMRANA, RAJASTHAN

S.No	Description of Item	Unit	Qty
PART A1: HORTICULTURE WORKS			
1	Trenching in ordinary soil upto 30cm including removal of stacking of servicable material and disposal of by spreading and leveling within a lead upto 50m and making upto trenched area to proper levels by filling with earth or earth mixed with manure before and after flooding trenches with water (excluding cost imported earth sludge and manure)	Cu. M	56599
2	Rough dressing the trenched ground including breaking clods	Per 100 Sq. M	943.32
3	Fine Dressing of ground	Per 100 Sq. M	943.32
4	Preparation of lawn for grassing by excavation to a depth of 30cm removing all foreign bodies over 50mm dia , refilling with the mix of earth and manure in ratio 3:1 grade lawn area to finish levels as indicated on grading plants. All lawn area shall slope to drain where no grades between continual grade between exiting or fixed controls (such as walk curbs catch besin elevation at steps on building and levels shown on plants roll scarify rank and level as necessary to obtain true even lawn surfaces. All finish grades shall meet approval of the project engineer before grassing is done. Grassing with seeding of grass including watering till the grass is fit for moving including mowing its complete.	Sq. M	94332
5	Preparation of beds in ordinary soil for ground cover & hedge etc complete item	Cu. M	792
6	Digging of holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio 2:1 by volume (2 part of stacked volume with water dressing including removal of rubbish and surplus earth if any with all leads and lifts cost of manure, sludge of extra good earth if needed to be paid for separately.		
a	(size 0.90m x 0.90m x 0.90m) for trees	No.s	50
b	(size 0.90m x 0.90m x 0.90m) for shrubs	No.s	250
7	Supplying and stacking of well decayed cow dung manure at site including royalty and carriage with all leads and lifts (manure shall be measured in stacks and will be reduced by 8% for payment.)	Cu. M	56.5
8	Supply of pulverised & un-decoricated neem oil cake at site packed in old gunny bags. (the weight of empty bag @ 1 kg will be reduced from quantity) 1.0 kg per plant.	Kg	505
9	Supply of steamed bone meal at site packed in old gunny bag (he weight of empty bag @ 1kg will be reduced from quantity).	Kg	505
10	Supply of Gypsum at site.	Kg	1010
11	Supply of chlorpyriphos 20% E.C for anti termite treatment of plants @ 2ml./plant and in the interval 1 month up to one year i.e. 12 times in a year hence it comes 0.24ml/plant or 0.024ltr/plant.	Litre	40
12	Supply & planting of plants/shrubs/lawn/ground cover/hedge as required by Engineer Incharge in polythene bags or in earthen pots well branched well established & free from disease at sites including stacking with bamboo.		

BOQ**NAME OF WORK: - LANDSCAPING AND GRASSING WORKS AT 5MW SOLAR POWER PLANT WITH ONE YEAR MAINTENANCE, NEEMRANA, RAJASTHAN**

Trees			
a)	Bottle brush (7'-8' ht)	No.s	50
b)	General Plant (Ashok Pendula)	No.s	100
Shrubs			
a)	Bougainvillia (3'-4') Multi Colour (Named Variety)	No.s	600
b)	Phoenix palm (3'ht)	No.s	50
c)	Calendra (3'-4')	No.s	100
d)	Cassia Gluca (3'-4')	No.s	100
Hedge			
a)	Enermi (1')	No.s	13200
PART A2. QUATERLY MAINTENANCE			
1	Maintenance of trees/ shrubs/lawn/ground cover by providing malies for weeding hoeing removal of grass pruning, anti termite treatment, watering stacking for 3 months including all related tools, grass cutting machinery, watch and ward complete.		
a	Trees (for 3 Months)	No.s	150
b	Shrubs (for 3 Months)	No.s	850
c	Lawn Area (for 3 Months)	Acre	23.3
d	Hedge (for 3 Months) without watering	Sq. M	792

BOQ**NAME OF WORK: - LANDSCAPING AND GRASSING WORKS AT 5MW SOLAR POWER PLANT WITH ONE YEAR MAINTENANCE, NEEMRANA, RAJASTHAN****PART B. ANNUAL MAINTENANCE**

1	Maintenance of trees/ shrubs/lawn/ground cover by providing malies for weeding hoeing removal of grass pruning, anti termite treatment, watering stacking for 12 months including all related tools, grass cutting machinery, watch and ward complete.		
a	Trees (for 12 Months)	No.s	150
b	Shrubs (for 12 Months)	No.s	850
c	Lawn Area (for 12 Months)	Acre	23.3
d	Hedge (for 12 Months) without watering	Sq. M	792