2021

BHARAT HEAVY ELECTRICALS LIMITED SOLAR BUSINESS DIVISION, BENGALURU TENDER DOCUMENT

Name: Navit Mahajan

Designation: Dy. Manager

BHEL SBD Bangalore



TENDER DOCUMENT (PART – A) Vol. I

NOTICE INVITING TENDER

- 1. BHEL/ SBD (A Govt. of India Enterprise) invites Tender for engaging a Contractor for "Type Test of Solar PV Modules.".
- 2. Sealed Bids are invited under single stage two part bid system from the competent agencies with sound technical and financial capabilities, fulfilling the qualifying requirements stated in the tender documents.
- 3. Interested and eligible parties may study the tender documents carefully visit the works to understand the scope and nature of work, discuss and clarify doubts if any and offer their bids.
- 4. The salient features of tender documents are as follows:

 The complete Tender documents consists of the following: Tender document- Part 'A' (Consists of Volume-I, Volume-II) and Part 'B'.
- 5. The tender documents are also available in the website of BHEL <u>www.bhel.com</u>. Those who wish to download the same may do so. Corrigendum if any will be published in BHEL web site only.
- 6. In case, tender documents are requested by post, BHEL-SBD shall not be responsible for any delay due to any reasons (including postal delay) either in receiving the agencies request or receipt of tender documents by the agency.
- 7. Reverse Auction is applicable for this work.

For all clarifications/ issues related to the tender, please contact:

(i) Commercial:

Mr. Navit Mahajan, Dy. Manager / Works Engineering Contract, BHEL-SBD,

Prof CNR Rao Circle, IISc Post, Malleswaram, Bangalore- 560 012

E-MAIL: <u>navit@bhel.in</u> Ph. No. +91-080-22182216

or

Mr. BM Hiremani, AGM / WEX & Works Contract Cell, BHEL-SBD, Prof CNR Rao Circle, IISc Post, Malleswaram, Bangalore- 560 012

E-MAIL: hiremani@bhel.in
Ph. No. +91-080-22182204

(ii) Technical:

Mr. G V Raghavendra Babu, Sr.Manager / SPV Engg BHEL-SBD, Prof CNR Rao Circle, IISc Post, Malleswaram, Bangalore- 560 012

E-MAIL: raghavendrababu.gv@bhel.in Ph. No. +91-080-22182347



TENDER DOCUMENT (PART – A) Vol. I

TENDER DOCUMENT

PART – A VOLUME - I

	1.	GENERAL INFORMATION
	2.	SCOPE OF WORK
	3.	ELIGIBILITY CRITERIA
	4.	PAYMENT TERMS
Ī	5.	ANNEXURES



1.	General Information				
1.1.	Tender Reference Number :	45277			
1.2.	Tender Name:	"Type Test of Solar PV Modules".			
1.3.	Tender System	Single Stage, Two Part Bid Part – A: Techno-Commercial & PQR Part – B: Price Bid			
1.4.	Tender Type	Frame Work Agreement/ Service contract			
1.5.	Estimated Value of Contract	Not Applicable			
1.6.	Duration of Contract	18 months			
1.7.	Qualifying Requirement	As per NIT Terms & Conditions			
1.8.	Earnest Money Deposit to accompany Tender	Not Applicable.			
1.9.	Security Deposit	Not Applicable.			
1.10.	Cost of Tender documents	NIL			
1.11.	Issue of tender documents	As per Enquiry / RFQ / Notification on www.bhel.com			
1.12.	Pre- BID Meeting	As per Enquiry / RFQ / Notification on www.bhel.com			
1.13.	Last date for Issue of tender documents	As per Enquiry / RFQ / Notification on www.bhel.com			
1.14.	Last date for submission of tender doc	As per Enquiry / RFQ / Notification on www.bhel.com			
1.15.	Date and time of opening of Tender (Part-A)	As per Enquiry / RFQ / Notification on www.bhel.com			
1.16.	Tender Submission Place	BHEL-SBD WEX TENDER BOX kept outside tender room(Bidder to ensure to put tender bids in specified place & box, BHEL-SBD will not be responsible if bids submitted in other than specified place and tender box			
1.17.	Tender Opening Place	BHEL-SBD, Tender room, opposite to IISC, Prof. CNR Rao circle, Malleswaram, Bengaluru-560012			
1.18.	Dealing Officer (For any Clarifications)	Navit Mahajan, Dy. Manager – Works Contract Cell Contact No.: 080-2218-2216 Email: navit@bhel.in Hiremani B.M. Addl. General Manager – Works Contract Cell			
		Contact No.: 080-2218-2204			
		Email: hiremani@bhel.in			
2.	SCOPE OF WORK				
2.1.	Details as per Annexure I				
3.	ELIGIBILITY CRITERIA				
3.1.	The Firm of contractor/independent contractor (Proprietor) should be registered and having at least 1 years existence in business of similar nature. The term "Similar works "means vendor should have successfully executed contracts like: Type testing of solar modules for various IEC / IS Standards. Bidder to submit following documents as proof of completion/execution of work: 1. P.O copy. 2. Work completion Certificate. BHEL reserves the right for independent verification of Documents.				
	Bidder should not have been banned Karnataka" or Government of other stat	d by "any BHEL unit" or "Government of India" or "Government of ees in India			



		Sl.No	Pre-Qualification requirement	Laboratories Confirmation					
	3.2.	1.	Testing laboratories shall be NABL accredited	Laboratories Commination Laboratory shall provide copy of					
		+-	for IEC 61215-1, 61215-1-1, 61215-2: 2016 &	NABL accreditation letter for all the					
			IEC 61730 part 1 & 2: 2016. (Test report for IS tests & Lab shall be BIS Recognize						
	3.2.	14286 (latest std.) , IS/IEC 61730-1 & 2							
		2.	IS 14286 (latest std.), IS/IEC 61730-1 & 2	1					
		2.	(latest std.)						
		A							
			ge Annual Financial turnover during the last 3 years ending 31st Ma	rch 2020, should be at least RS. 33.91					
		Lakh							
	3.3.		ups registered with DIPP are exempt to fulfill the criteria of minim	um turnover and minimum years of					
		experi		from Chartered Accounted to be					
Audited Balance sheet and profit& Loss account OR Turn over Certificate from Chartered Accounte enclosed for the FY 2017-18, 2018-19 & 2019-20.									
			dder shall also mention the PAN Number issued by Income Tax Dep	partment conviof the PAN card or PAN					
	3.4.		er allotment letter shall be submitted along with the tender docum						
			should be no litigation or charge under investigation / enquiry / tri						
	3.5.		ourt of law or suspension or blacklisting by any organization on any	=					
			ch information comes to light, the contract may be terminated.	0 -					
	2.6		pinion / decision of BHEL regarding the bid shall be final and conclu	sive. BHEL reserves the right to reject					
	3.6.		all the bids at any time without assigning any reason.						
		In case	e the bidder has a relative employed in BHEL, the authority inviting	tender shall be informed of this fact in					
	3.7.	writing at the time of submission of tender, failing which the tender may be disqualified, or if such fact comes							
			to light subsequently, the contract may be terminated.						
	3.8.		bidder gives wrong information in his tender or creates conditions t	avorable for the acceptance of his					
	J.0.		r, BHEL reserves the right to reject such tender at any stage.						
			e works which are continuous in nature, and which require regular	=					
	3.9.		ave an Office/Establishment in Bengaluru. Absence of such an arra	ngement may lead to disqualification					
_			Tenderer.						
4.	4.1	PAYMENT		for me the a test a result.					
	4.1.		ent will be done within 60 days of receipt of test report and invoice						
	4.2.	the same	e reimbursed to the testing laboratory after the contractor pays GS	i, files return and submits a proof of					
			ervice contract, Income tax deduction at source (TDS) at the applica	able rate (prevailing rates as applicable					
	4.3.	at the time of clearance of bills) shall be recovered and remitted to Govt. of India. Income tax deduction certificate shall be issued for the amount of Income Tax deducted. Income Tax TDS as applicable and GST TDS @ 2% will be							
		done.							
5.		Annexure	S						
	5.1.	Detailed S	cope of Work – Annexure I						
	5.2.	Techno-co	mmercial Bid Application – Annexure II						
	5.3.	Bidder info	ormation– Annexure III						
	5.4.	Qualificati	on requirement– Annexure IV						
	5.5.	Bidder De	claration-l– Annexure V						
	5.6.	Bidder De	claration-II – Annexure VI						
	5.7.	PPP-MII Fo	ormat- Annexure VII						
	5.8.	Format fo	r Unpriced Bid– Annexure VIII						
	5.9.	Technical	deviations– Annexure IX						
	5.10.	Non-Techi	nical deviations– Annexure X						
	5.11.	Border sha	aring						



TENDER DOCUMENT (PART – A) Vol. I

ANNEXURE - I SCOPE OF WORK

Test are to be conducted as per IEC & IS mentioned in Table-1 & 2 for which detailed BOM's are given in Table-3.

	Table-1	
IEC Std. no.	IEC Test Description	Qty.
IEC 61215-1, 61215-1-1, 61215-2: 2016 & IEC 61730 part 1 & 2: 2016. (Test report for IS 14286 (latest std.), IS/IEC 61730-1 & 2 (latest std.) & Fire test shall also be provided along with IEC test reports for all the 5 Sets.) CB Certificate shall also be provided	Terrestrial photovoltaic (PV) modules – Design qualification and type approval & Photovoltaic (PV) module safety qualification along with Fire test	5 Cumulative value for BOM as per Table-2
IS 14286 (latest std.) , IS/IEC 61730-1 & 2 (latest std.)	Terrestrial photovoltaic (PV) modules – Design qualification and type approval & Photovoltaic (PV) module safety qualification along with Fire test	1

Remarks:

- 1. Vendor to provide testing charges for all the above tests and Sets in Table-2
- 2. Lab to provide year & edition of the each IEC & IS standards mentioned above for all the individual test, for our information.
- 3. Lab to provide total time duration for performing tests including final test reports from the date of samples received at their lab.
- 4. Lab shall provide accredited certificate issued from NABL / ILAC / IECEE / CNAS or international reputed equivalent member signatory for all the above tests.
- 5. Lab shall be BIS Recognized Laboratory for test mentioned above.
- 6. The quantity of BOM and number of test individually may vary up to 30% of total contract value.
- 7. The contract will be valid for one and half year on the firm price.
- 8. PV modules for type testing will be handed over to vendor's laboratory.



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			Tal	ole-2				
SI. No.	IEC Std. no.	IEC Test Description	Sec. BOM (Set-1)	Sec. BOM (Set-2)	Sec. BOM (Set-3)	Sec. BOM (Set-4)	Sec. BOM (Set-5)	Sec. BOM (Set-6)
1	IEC 61215-1, 61215-1-1, 61215-2: 2016 & IEC 61730 part 1 & 2: 2016. (Test report for IS 14286 (latest std.), IS/IEC 61730-1 & 2 (latest std.) & Fire test shall also be provided along with IEC test reports for all the 5 Sets.) CB Certificate shall also be provided	Terrestrial photovoltaic (PV) modules – Design qualification and type approval & Photovoltaic (PV) module safety qualification along with Fire test	Not required					
2	IS 14286 (latest std.), IS/IEC 61730- 1 & 2 (latest std.)	Terrestrial photovoltaic (PV) modules – Design qualification and type approval & Photovoltaic (PV) module safety qualification along with Fire test		Not required	Not required	Not required	Not required	Not required

Remarks:

- 1. Vendor to provide testing charges for all the above tests and Sets except the place where "not required" mentioned.
- 2. BOM details are provided in Table-3



Table-3

SL No.	ВОМ	Cell	Cell Intercon- nects	Bus bars	Junction Box	EVA	Back sheet	Al Frame	Glass	Adhesive	Potting material for JB	Remark
	Tested BOM-1	Make-1 Multi	Make-1	Make- 1	Make-1	Make- 1	Make- 1	Make- 1	Make- 1	Make-1	Make-1	CB & IEC certification for 2016 version & IS 14286, IS/IEC 61730-1& 2, with 1000V system, CB & IEC's report will be provided by BHEL at later stage, This test & BOM is not part of this tender.
1	Secondary BOM (Set- 1)	Make-1 Multi	Make-2	Make- 2	Make-2	Make- 2	Make- 2	Make- 2	Make- 2	Make-1	Make-1	Change in Cell interconnect, Bus bars, Junction Box, EVA, Backsheet, AL. Frame & Glass compared to Tested BOM-1, 1000V System
	Tested BOM-2	Make-1 Multi	Make-1	Make- 1	Make-1	Make- 1	Make- 1	Make- 1	Make- 1	Make-1	Make-1	CB & IEC certification for 2016 version & IS 14286, IS/IEC 61730- 1& 2, with 1500V system, CB & IEC's report will be provided by BHEL at later stage, This test & BOM is not part of this tender.
2	Secondary BOM (Set- 2)	Make-2 MonoPERC	Make-1	Make- 1	Make-1	Make- 1	Make- 1	Make- 1	Make- 1	Make-1	Make-1	Change in Cell compared to Tested BOM-2, 1500V System
3	Secondary BOM (Set- 3)	Make-3 Multi	Make-1	Make- 1	Make-3	Make- 3	Make- 3	Make- 3	Make- 1	Make-1	Make-3	Change in Cell, Junction Box, EVA, Backsheet, AL. Frame & Potting material for JB, Cell size increases & PV Module size increase not more than 20 % compared to Tested BOM-2, 1500V System



4	Secondary BOM (Set- 4)	Make-4 MonoPERC	Make-1	Make- 1	Make-3	Make- 3	Make- 3	Make- 3	Make- 1	Make-1	Make-3	Change in Cell compared to Secondary (Set-3), Cell size & PV Module size same as Secondary (Set-3), 1500V System
5	Secondary BOM (Set- 5)	Make-5 Multi	Make-3	Make- 3	Make-1	Make- 4	Make- 4	Make- 4	Make- 1	Make-1	Make-4	Change in Cell, Cell Interconnect, Bus bar, Junction Box, EVA, Backsheet, AL. Frame & Potting material for JB, Cell size may increases & PV Module size may increase not more than than 20 % compared to Tested BOM-2, 1500V System.
6	Secondary BOM (Set- 6)	Make-6 Multi	Make-4	Make- 4	Make-6	Make- 5	Make- 5	Make- 5	Make- 3	Make-1	Make-5	Change in Cell, Cell Interconnect, Bus bar, Junction Box, EVA, Backsheet, AL. Frame, Glass & Potting material for JB, Cell size may increases & PV Module size may increase not more than than 20 % compared to Tested BOM-2, 1500V System.



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ANNEXURE - II TECHNO-COMMERCIAL BID APPLICATION

Dy. Manager / WC Bharat Heavy Electricals Limited Solar Business Division,

IISc Post, Malleswaram, Bengaluru – 560 012

Dear Sir,

To,

I / We hereby offer to carry out the work "Type Test of Solar PV Modules" at BHEL-SBD, Bangalore.

I/We have carefully perused the all the clauses mentioned in NIT and agree to abide with the same.

- 1. Notice Inviting Tender Part A Volume 1
- 2. Notice Inviting Tender Part A Volume 2
- 3. Price Bid Format Part B

I/ We further agree to execute all the works referred to in the said documents.

I declare that, there was never / is no litigation or charge under investigation / enquiry / trial against me / us, nor conviction in a court of law or suspended or blacklisted by any organization on any grounds.

Signature of Tenderer Date:



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ANNEXURE – III: BIDDER INFORMATION

S. No.	DETAILS REQUIRED	Requirement fulfilled (Yes / No / NA/ Value)
-	Name of the Company	, , , , , , , , , , , , , , , , , , , ,
1	Name of Authorized Signatory	
	Name of Authorized Signatory	
2		
	Name of Contact person for this tender	
3	Email id of contact norsen	
	Email-id of contact person	
4		
	Contact number	
5		
	Bank Account Details (Name of Bank, Branch	
	and Account Number).	
	Cancelled Cheque to be enclosed	
6		
	Details of Relatives employed in BHEL, Name	
	Designation and Unit - Clause 3.8	
7		
	Relative 1	
	Relative 2	
	Relative 3	



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ANNEXURE – IV: QUALIFICATION REQUIREMENTS

DETAILS REQUIRED	Requirement fulfilled (Yes / No / NA/ Value)	Whether proof / document enclosed (YES / NO)
Bidder's firm should be registered and should have at least three years' existence in business consecutively for the past three financial years. (CI 3.1)		
PF Registration No. Clause 3.2	NA	NA
Average turnover of last 3 years - Clause 3.3		
Relevant Work Experience as per Clause 3.4 – 1		
Relevant Work Experience – 2		
Relevant Work Experience – 3		
PAN No Clause 3.5		
GST Registration Number		
MSME / NSIC Certificate to be enclosed (if applicable)		
EMD Details (DD No., Amount, Date & Bank)	NA	NA
	Bidder's firm should be registered and should have at least three years' existence in business consecutively for the past three financial years. (Cl 3.1) PF Registration No. Clause 3.2 Average turnover of last 3 years - Clause 3.3 Relevant Work Experience as per Clause 3.4 - 1 Relevant Work Experience - 2 Relevant Work Experience - 3 PAN No Clause 3.5 GST Registration Number MSME / NSIC Certificate to be enclosed (if applicable)	Bidder's firm should be registered and should have at least three years' existence in business consecutively for the past three financial years. (CI 3.1) PF Registration No. Clause 3.2 Average turnover of last 3 years - Clause 3.3 Relevant Work Experience as per Clause 3.4 - 1 Relevant Work Experience - 2 Relevant Work Experience - 3 PAN No Clause 3.5 GST Registration Number MSME / NSIC Certificate to be enclosed (if applicable)



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ANNEXURE - V: BIDDER DECLARATION - I

S. No.	Parameter	Requirement fulfilled (Yes / No / NA/ Value)
1	I have carefully read the Tender Terms and Conditions and I submit my agreement for the same.	
2	I have completely understood the scope of work and submit my agreement to carry out the work as per mentioned in Tender document.	
3	I have quoted rates for the total scope of work mentioned in the tender document	
4	I agree to participate in the Auction as per Tender Terms and Conditions	
5	I have understood and accepted the payment terms of BHEL as per Cl.4	
6	I am responsible for the safety of workmen deployed and agree to fulfil the requirements as per tender terms	
7	I have understood the LD clause mentioned in this tender and submit my agreement for the same	
8	I agree to participate in the tender and carry out the work (if awarded) ethically and submit my agreement to various requirements in this contract.	
9	I have carefully read the Tender Terms and Conditions and I submit my agreement for the same.	
10	Signed and submitted the technical deviations sheet	
11	Signed and submitted the non-technical deviations sheet	



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ANNEXURE - VI BIDDER DECLARATION - II

I,	, agedYrs., S/o,
Residin	g at
Hereby	declare as follows:
/i)	That my nationality is
(i) (ii)	That I am a major and eligible to enter into contract / my firm / my company is competent to enter into an
(,	agreement.
(iii)	I shall employ only such personnel who have not been found unfit for employment in Organizations such as Central / state / Public undertaking by the Police Authorities.
(iv)	I shall not employ persons against whom Criminal cases are pending or under investigation.
(v)	I shall also not employ persons found guilty of offences involving moral turpitude for executing work in BHEL contracts.
(vi)	That there are no Criminal cases/Civil/Labor pending or under investigation against me or my firm or company.
(vii)	I have not been found guilty of offences involving moral turpitude nor any of the company directors / partners of my firm have been found guilty of offences involving moral turpitude.
(viii)	Neither I nor my firm nor my company has been declared insolvent in the past.
(ix)	I have taken due care and efforts to furnish only information which are true in the tender document.
(x)	I shall employ labor who is more than 18 years of age and less than 58 years and having sound physical and mental health.
(xi)	I shall keep Photograph / identity proof / residential proof of the laborers to be employed against this tender and arrange for police verification.
(xii)	I shall employ and deploy suitable qualified personnel for supervision of the work in each shift and additionally as required for monitoring compliance to process requirements and compliance to contract terms & conditions
	[Signature with Name & seal of the Tenderer]
Date Place	: :



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ANNEXURE VII, PPP-MII Format

FORMAT FOR VERIFICATION OF LOCAL CONTENT UNDER PREFERENCE TO MAKE IN INDIA ORDER
(To be submitted with the offer)
[Applicable for procurement value from Rs. 5.00 Lac to Rs. 10.00 Crore]
Self-certification giving the percentage of local content, in line with PPP-MII order, if applicable [to be submitted on the
letter head of the issuer.]
Item Name Type Test of Solar PV Modules
Enquiry No.: 45277
Project : Type Test of Solar PV Modules
Applicable percentage of Local Content
(Bidder to indicate local content in percentage)
We have read and understood the provisions of "Public Procurement (Preference to Make in India) Order, 2017" dated
15/06/2017, its revision dated 28/05/2018 and any subsequent modifications/Amendments, if any [hereinafter, "PPP-MII
Order"] issued by Department of Industrial Policy and Promotion (DIPP), Ministry of Commerce and Industry, Government of
India.
In line with the provisions of the PPP-MII Order, We, M/s [Enter the name of the Bidder]
[hereinafter, "Local Supplier"] submits self-certification to M/s. Bharat Heavy Electricals Limited [hereinafter, BHEL]
regarding Local Content in Goods/Services/Works to be supplied by the Local Supplier Type Test of Solar PV Modules
(Enter the name of the Equipment/Item for Project), wherein we have agreed to abide by the terms and conditions of the
PPP-MII Order.
Details of location at which local value addition will be made is as follows:

We also understand, false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

For and on behalf of, Date:

Authorized Signatory

(With Company Seal & Signature)

Note: This is a guiding format. In case the bidder submits the certificate in a format different from the above, the same may be considered provided it meets the intent and purpose, as may be ascertained by BHEL.



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Annexure VIII – Unpriced Bid, SAC / HSN Codes

			Un-F	Priced Bid						
SI.	IEC Std. no.	IEC Test			SAC/HS	N Code				Remark
No.		Description	Sec. BOM (Set-1)	Sec. BOM (Set-2)	Sec. BOM (Set-3)	Sec. BOM (Set-4)	Sec. BOM (Set-5)	Sec. BOM (Set-6)	Sub Total	
1.00	IEC 61215-1, 61215-1-1, 61215-2: 2016 & IEC 61730 part 1 & 2:2016. (Test report for IS 14286 (latest std.), IS/IEC 61730- 1 & 2 (latest std.) & Fire test shall also be provided along with IEC test reports for all the 12 Sets.) CB Certificate shall also be provided	Terrestrial photovoltaic (PV) modules – Design qualification and type approval & Photovoltaic (PV) module safety qualification along with Fire test	Not required							For 5 Set
2.00	IS 14286 (latest std.) , IS/IEC 61730- 1 & 2 (latest std.)	Terrestrial photovoltaic (PV) modules – Design qualification and type approval & Photovoltaic (PV) module safety qualification along with Fire test		Not required	Not required	Not required	Not required	Not required		For 1 Set

Note: Bidder to indicate SAC / HSN Code (SEAL & SIGN OF BIDDER)



SL No.	вом	Cell	Cell Intercon- nects	Bus bars	Junction Box	EVA	Back sheet	Al Frame	Glass	Adhesive	Potting material for JB	Remark
	Tested BOM-1	Make-1 Multi	Make-1	Make- 1	Make-1	Make- 1	Make- 1	Make- 1	Make- 1	Make-1	Make-1	CB & IEC certification for 2016 version & IS 14286, IS/IEC 61730-1& 2, with 1000V system, CB & IEC's report will be provided by BHEL at later stage, This test & BOM is not part of this tender.
1	Secondary BOM (Set- 1)	Make-1 Multi	Make-2	Make- 2	Make-2	Make- 2	Make- 2	Make- 2	Make- 2	Make-1	Make-1	Change in Cell interconnect, Bus bars, Junction Box, EVA, Backsheet, AL. Frame & Glass compared to Tested BOM-1, 1000V System
	Tested BOM-2	Make-1 Multi	Make-1	Make- 1	Make-1	Make- 1	Make- 1	Make- 1	Make- 1	Make-1	Make-1	CB & IEC certification for 2016 version & IS 14286, IS/IEC 61730- 1& 2, with 1500V system, CB & IEC's report will be provided by BHEL at later stage, This test & BOM is not part of this tender.
2	Secondary BOM (Set- 2)	Make-2 MonoPERC	Make-1	Make- 1	Make-1	Make- 1	Make- 1	Make- 1	Make- 1	Make-1	Make-1	Change in Cell compared to Tested BOM-2, 1500V System
3	Secondary BOM (Set- 3)	Make-3 Multi	Make-1	Make- 1	Make-3	Make- 3	Make- 3	Make- 3	Make- 1	Make-1	Make-3	Change in Cell, Junction Box, EVA, Backsheet, AL. Frame & Potting material for JB, Cell size increases & PV Module size increase not more than 20 % compared to Tested BOM-2, 1500V System



4	Secondary BOM (Set- 4)	Make-4 MonoPERC	Make-1	Make- 1	Make-3	Make-	Make-	Make-	Make- 1	Make-1	Make-3	Change in Cell compared to Secondary (Set-3), Cell size & PV Module size same as Secondary (Set-3),
5	Secondary BOM (Set- 5)	Make-5 Multi	Make-3	Make- 3	Make-1	Make- 4	Make- 4	Make- 4	Make- 1	Make-1	Make-4	Change in Cell, Cell Interconnect, Bus bar, Junction Box, EVA, Backsheet, AL. Frame & Potting material for JB, Cell size may increases & PV Module size may increase not more than than 20 % compared to Tested BOM-2, 1500V System.
6	Secondary BOM (Set- 6)	Make-6 Multi	Make-4	Make- 4	Make-6	Make- 5	Make- 5	Make- 5	Make- 3	Make-1	Make-5	Change in Cell, Cell Interconnect, Bus bar, Junction Box, EVA, Backsheet, AL. Frame, Glass & Potting material for JB, Cell size may increases & PV Module size may increase not more than than 20 % compared to Tested BOM-2, 1500V System.



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ANNEXURE IX, NON-TECHNICAL DEVIATION

SI No.	Volume	Part/Clause SI no.	NIT requirement	Bidder's Deviation

	Total No. of deviations	proposed by	the Bidder-	nos
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BIDDER'S SIGN & SEAL:

Note: The Offers should be in full conformity with the terms and conditions of this tender. Incorrect and incomplete tenders are liable to be rejected. Deviations, if any, should only be mentioned as per formats for Non-Technical Deviations (i.e. General Terms & Conditions, Commercial Terms etc.) & Technical Deviations (i.e. Scope of Work, Modalities of Contract etc.). BHEL at its discretion whether to give any further chance to a bidder in case of any deviation or reject the same offer.



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ANNEXURE X, TECHNICAL DEVIATION

SI No.	Volume	CLAUSE NO.	NIT requirement	Bidder's Deviation
	Total No. o	of deviations _I	oroposed by the Bidder	NOS.
	Place:		Date:	
				Signature & Seal of the bidder:

Note: The Offers should be in full conformity with the terms and conditions of this tender. Incorrect and incomplete tenders are liable to be rejected. Deviations, if any, should only be mentioned as per formats for Non-Technical Deviations (i.e. General Terms & Conditions, Commercial Terms etc.) & Technical Deviations (i.e. Scope of Work, Modalities of Contract etc.). BHEL at its discretion whether to give any further chance to a bidder in case of any deviation or reject the same offer.

(Compliance to be submitted in the bidder's letter head) (as applicable)

Sub: Compliance to Government of India order OM No.6/18/2019-PPD dated 23.07.2020 & 24.7.2020 regarding restrictions under Rule 144 (XI) of the General Financial Rules (GFRs), 2017

Enquiry No.:	
Project :	
	(name of the bidder company) have read the clauses pertaining to Department of Public Procurement Division Order (Public procurement no 1,2 & 3 vide ref. F.No.6/18/2019-PPD dated 020) regarding restrictions on procurement from a bidder of a country which shares a land border with India.
We hereby certify th	at we are not from such a country and eligible to be considered for this tender.
(Note: Non-compliar rejection of their bids	ace of above said Gol Order and its subsequent amendment, (if any), by any bidder(s) shall lead for commercial by BHEL)
For and behalf of	(Name of the bidder)
(Signature, date & s	eal of authorized representative of the bidder)
	Annexure-D (ii) (Compliance to be submitted in the bidder's letter head) (as applicable)
under Rule 144 (XI)	o Government of India order OM No.6/18/2019-PPD dated 23.07.2020 & 24.7.2020 regarding restrictions of the General Financial Rules (GFRs), 2017
Item Name :	
Item Name : Enquiry No. : Project : We M/s. Expenditure's (DoE	of the General Financial Rules (GFRs), 2017 (name of the bidder company) have read the clauses pertaining to Department of
Item Name : Enquiry No. : Project : We M/s. Expenditure's (DoE 23.07.2020 & 24.7.2 We are from such a in above said order.	(name of the bidder company) have read the clauses pertaining to Department of Public Procurement Division Order (Public procurement no 1,2 & 3 vide ref. F.No.6/18/2019-PPD dated 020) regarding restrictions on procurement from a bidder of a country which shares a land border with India.
Item Name : Enquiry No. : Project : We M/s Expenditure's (DoE 23.07.2020 & 24.7.2 We are from such a in above said order. Evidence of valid results in the such a	(name of the bidder company) have read the clauses pertaining to Department of Public Procurement Division Order (Public procurement no 1,2 & 3 vide ref. F.No.6/18/2019-PPD dated 020) regarding restrictions on procurement from a bidder of a country which shares a land border with India. country which shares a land border with India & have been registered with the Competent Authority as specified We hereby certify that we fulfil all requirements in this regard and are eligible to be considered. egistration by the Competent Authority is attached.
Item Name : Enquiry No. : Project : We M/s. Expenditure's (DoE 23.07.2020 & 24.7.2 We are from such a in above said order. Evidence of valid rejection of their bids	(name of the bidder company) have read the clauses pertaining to Department of Public Procurement Division Order (Public procurement no 1,2 & 3 vide ref. F.No.6/18/2019-PPD dated 020) regarding restrictions on procurement from a bidder of a country which shares a land border with India. country which shares a land border with India & have been registered with the Competent Authority as specified We hereby certify that we fulfil all requirements in this regard and are eligible to be considered. egistration by the Competent Authority is attached.