

ADDENDUM TO TENDER REF: 12301578/PVM DT 07.05.2019 FOR SPV MODULES - 71,177.50 KW

DT 15.05.2019

REPLIES TO BIDDERS QUERIES DURING PRE-BID MEETING HELD ON 13.05.2019

Sl. No.	Documents	Clause No./ Page No.	Description	Bidder's Queries/ Request	BHEL Clarification / reply
1	GCC R0	15.1 / Page 17 of 28	When the tests have been satisfactorily completed at Seller/Contractor's works, the Inspection Agency shall issue a certificate to that effect within fifteen (15) days after completion of the tests, but if the tests were not witnessed by the Inspection Agency or his representative, the certificate would be issued within fifteen (15) days after receipt of the test certificates by the Purchaser.	15 days period is too long considering delivery period & amount of inventory awaiting despatch. May please be changed to 3 days.	The clause shall be read as - When the tests have been satisfactorily completed at Seller/Contractor's works, the Inspection Agency shall issue a certificate to that effect within three working (03) days after completion of the tests, but if the tests were not witnessed by the Inspection Agency or his representative, the certificate would be issued within three working (03) days after receipt of the test certificates by the Purchaser.
2	SCC R0	5 / Page 1 of 8	Following shall be considered for evaluation of bids : 1. INR 7,65,00,000.00 shall be loaded on quoted price in case of imports as local freight charges for transporting the modules from Chennai port to Site.	Bidders informed that all chinese manufacturer's supply in 40' HQ containers which can load 648 modules. Hence loading may please be reviewed. EDN in previous tender has received the material in 40' HQ containers at site.	The clause shall be read as - Following shall be considered for evaluation of bids : 1. INR 2,17,44,900 shall be loaded on quoted price in case of imports as local freight charges for transporting the modules from Chennai port to Sites. All the foreign bidders to supply the modules in 40' HQ Containers.
3	SCC R0	5 / Page 1 of 8	THERE ARE FOUR SITES FOR DELIVERY MENTIONED IN CLAUSE 5 OF SCC	SITE WISE QUANTITY BREAK-UP IS REQUIRED	Site wise delivery break-up shall be as below: - 1.SCCL Manuguru Site: 16,541.25 KW 2.SCCL Ramagundam Site: 27568.75 KW 3.SCCL Yellandu Site: 21,553.75 KW 4.SCCL STPP Pegadapally: 5,513.75 KW
4	SCC R0	9 / Page 2 of 8	In case of Foreign bidders opting for payment through irrevocable and unconfirmed letter of credit, the same shall be opened by BHEL within 07 days from the request to do so by the vendor along with required details.	-	The statement shall be read as: In case of Foreign bidders opting for payment through irrevocable and unconfirmed letter of credit, the same shall be opened by BHEL within 07 days from the request to do so by the vendor along with required details and manufacturing clearance issued by BHEL.
5	SCC R0	8 / Page 2 of 8	-	-	Following is added to the clause : Supplier to submit all documents for manufacturing clearance within 07 days from the date of PO.
6	NIT: 3.0 SCC for MODULE	Terms & Conditions: 9. Payment terms (Page No. 2 & 3 of 8)	1. 90% (+GST): shall be paid on pro-rata basis within 45 days from the date of receipt of goods at site & subsequent to the receipt of complete documents as per order/contract 2. 10% (+GST): will be released along with payment of last lot on completion of supplies as per PO	We request you to kindly change payment terms as per below: : 100% Payment against LC with usance of 120 days from MRC date	BHEL's preferred payment term is as per NIT, please refer clause no. 9 of SCC. However, bidders may submit offer with Cost of withdrawal (including positive or negative) in case of deviation, in the Annexure-II.
7	NIT: 3.0 SCC for MODULE	Insurance: Document to be submitted for claiming payments for indigenous supplies (Page No. 8 of 8)	• Insurance Policy to cover PV module power output warranty for 25 years from reputed third party insurance company (as per clause no. 3 & 4 of Technical specification no. SPV-SP1047-SPVM Rev 00) – in original.	We request you to accept the Insurance in the form of Bank Guaranty also. The Bank Guaranty amount shall be Rs. 20,00,000/ MWp valid for 25 Years with initial validity of 5 Years and shall be renew before 1 month of expiry date for every five year.	Warranties shall be backed by third party insurance. Bank guarantee for insurance is not acceptable.

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8	Purchase Specification	6.1 IEC Certification	Modules shall be supplied as per below IEC Certification: i) IEC 61215-1:2016 – Edition 1; ii) IEC 61215-1-1:2016 – Edition 1 iii) IEC 61730-1:2016- Edition 2; iv) IEC 61730-2:2016- Edition 2	With respect to requirement of IEC 61215 & IEC 61730-1 & 2 as per 2016 Version we hereby inform you that we have already initiated Testing as per for IEC 61215 & IEC 61730-1 & 2 Standard for 2016 Version at China Lab because of Indian labs are fully engaged with BIS certification. Which we will get tentatively in September 2019 . Also Indian labs have partial testing facility for IEC standard testing 2016 version. As of now no Single PV Module Manufacturer from India have IEC standard certification as per 2016 version. Only Chinese manufacturers have the Certification as per the 2016 Version. It seems that only Chinese PV Modules manufacturer will be able to supply the modules for this Project & this will not support Govt. of India Make in India initiative. Hence to promote Make in India policy of Government of India we request you to amend tender clause as per below details and allow us to submit bid with IEC Certification as per IEC 61215-2005, IEC 61730-1-2013, IEC 61730-2-2012 for PV Modules.	These IECs & BIS registraion of same BOM are pre requisite for SPV Module. BHEL NIT tender specification prevails.
Sl No.	Item	Tender requirement	Bidder's Specification	Bidder's Remarks	
9	Power Output and efficiency	330 Watts and above & efficiency 17% and above.	having module of 335 Watts & efficiency 16.60%.	There is no formulae for Module efficiency as per IEC / IS standards. The active cell efficiency is critical as the power is produced by the Silicon for mc-modules. Bidder's module have been tested and certified as per IEC 61215:2016 for 1500V and in this addition the creepage distance & clearance have been defined for 1500V for increased wafer size and the module efficiency which industry uses will contradict the criteria of IEC. Adani requests the Tender agency to change the criteria as per Pre-Bid criteria. Adani can offer 330 , 335 W PV Module with 72 Full cells and the efficiency criteria has to be removed due to no IEC reference.	Both power wattage & efficiency to be followed as per BHEL requirement. Both power wattage & efficiency to be followed as per BHEL requirement.
10	Glass	Toughened low iron glass with minimum 4mm thickness and above 90% transmission.	Toughened low iron glass with minimum 3.2 mm thickness and 94% transmission.	As we complied the Mechanical Load test as per IEC 61215 and IS 14286 for 5400Pa with a 3.2mm glass , it does not justify to use a 4.0mm glass to comply to 5400Pa specification when a 3.2mm glass can deliver the same CTQ. Adani requests The CTQ to be 5400PA and not fix the glass thickness. Also 4mm glass reduces transmission in comparison to 3.2mm glass	BHEL NIT tender specification prevails.
EL Criteria					
11	Micro crack	No more than 1/12 of total number of cells with microcrack defect per module.	If Micro-crack <25mm, Ignore.	There is no mention of cracks that have no significance of power degradation and the same to be added in the criteria	BHEL tender specification to be followed. If vendor has better quality inspection criteria than BHEL requirement in their manufacturing process, then the same can also be followed.
SCC of the Modules					
12	Payment Terms	9.1 For Indigenous Purchase:-	100 % Payment against LC with usance of 90/120 days from MRC date	request you change the payment terms with the Industry standard terms viz 100 % LC in advance.	BHEL's preferred payment term is as per NIT, please refer clause no. 9 of SCC. However, bidders may submit offer with Cost of withdrawal (including positive or negative) in case of deviation, in the Annexure-II.
13	We can provide Bloomberg report for Production Capacity Instead of Business Licence				Agreed, alternatively other third party certification or stock exchange annual report submission extract for physical output can also be provided.
14	Performance Certificate was not asked by BHEL EDN Chint has supplied over 1 GW modules in India				Bidders to provide credentials as per BHEL NIT, Tender Specifications & PQR.
15	PCT Test required for Back sheet – for the PCT test temperature and timings (in hours)				120 °C, 72 Hr, 90% RH
16	Backsheet – Coating type is approved in SECI BOM				BHEL tender specification prevails.

Sl. No.	Documents	Clause No./ Page No.	Description	Bidder's Queries/ Request	BHEL Clarification / reply
17			Payment Terms – 100 % LC 45 days.		BHEL's preferred payment term is as per NIT, please refer clause no. 9 of SCC. However, bidders may submit offer with Cost of withdrawal in case of deviation, in the Annexure-II. Relaxation in Usance period applicable as per Clause 16 of ITB in GCC.
18			Delivery required and when the modules will be connected to Grid?		Bidders to quote as per NIT, please refer clause no. 8 of SCC. Module will be connected to the grid after erection & commissioning, once it reaches site.
19			PO shall be in the name of XXXXXXXXXXXX and materials will be manufactured and dispatched from YYYYYYYYYYYYYY.		The address of the bidder & place of manufacture to be specified accordingly in the offer.
20			Delivery should be 45 days from the date of approval of materials by BHEL/SECI/Customer please see technical Spec Page 7 of 9 Clause No: 8		Delivery shall be As per SCC Clause No. 8.
21			Our scope of supply freight from Shanghai to CIF Chennai Seaport and all local charges in destination charges are in BHEL Scope.		Bidders to quote as per NIT, Please refer clause 5 of SCC.
22			The People from BHEL side representing the Tender opening should be able to give us all the details quoted of each bidder on Technical and Commercial aspect as the last few tenders, we were given only the names and the number of suppliers during the tender opening is less and after the due date and time.		Tender opening shall be as per NIT. Please refer GCC Clause 2.4 g. The necessary tender details shall be read out. As regards any additional commercial deviations for which loading criteria is required to be framed after opening of techno-eommercial bid, such additional deviations and the loading criteria shall be communicated to all the qualified bidders before the price bid opening.

THE ABOVE BHEL REPLIES TO BIDDERS QUERIES SHALL BE PART OF TENDER & TENDER DOCUMENTS. ALL BIDDERS MUST SUBMIT SIGNED & STAMPED COPY OF THIS DOCUMENT AS ACKNOWLEDGEMENT OF ACCEPTANCE OF BHEL REPLIES.