Bharat Heavy Electricals Ltd.,

(A Government of India undertaking)

Solar Business Division

Prof C N Rao Circle, Opp IISC, Malleshwaram, Bangalore-560012

Corrigendum 01 against RFQ SPKSCPV072, due date 24.07.2021

Dated: 19.07.2021

Corrigendum is issued for following:

- 1. Pre-dispatch inspection as per attached QAP.
- 2. Clause no. 7 of SCC to be read as:

Foreign purchase:

Price to be quoted as per attached format (Unpriced Price Bid) for below:

- 1. On CPT-BIAL, Bangalore basis for 25,00,000 Nos.
- 2. On CFR-ICD, Bangalore basis for 50,00,000 Nos.

Insurance is in the scope of BHEL.

All the other applicable taxes including Income taxes (TDS) as per prevailing Indian law shall be deducted from the payables & paid to Govt. by BHEL.

Tax Deduction at Source (TDS) shall be applicable on the Third Party Inspection Charges. Foreign Vendor shall provide Form 10F, Tax Residency Certificate & No Permanent Establishment (PE) certificate for the same.

3. New Transit insurance details updated, to be replaced in cl.no. 13 in SCC:

In BHEL Scope.

Prior Dispatch, intimation shall be issued to Insurance agency by the supplier about the value of consignment, dispatch details, along with one set of documents consisting of LR /BL copy, Packing List, Challan indicating the items dispatched (with their weights). A copy of above should be sent by email to General.Claims@tataaig.com Prabhutav.Dadhich@tataaig.com , Saurabh1.Agrawal@tataaig.com & Saurabh1.Agrawal@tataaig.com and copy to the following BHEL Email IDs of dealing executives

Insurance Details:

For export/import:

Insurer: Tata AIG General Insurance Company Limited Policy no: 0865092106 Period: 01/06/2021 – 31/05/2022

ADDRESS: 301, 3rd floor, RG City Center, LSC Block-B, Lawrence Road, New Delhi,

110035. Tel: 011-27196505; Fax: 011-27196516

For Indigenous:

Insurer: Tata AIG General Insurance Company Limited

Policy no: 0865092085

Period: 01/06/2021 – 31/05/2022

ADDRESS: 301, 3rd floor, RG City Center, LSC Block-B, Lawrence Road, New Delhi,

110035. Tel: 011-27196505; Fax: 011-27196516

4. Clause no. 24/8 of SCC to be read as:

In case of any Bidder opting to not quote for Third Party Inspection Charges, loading @ 0.2032% of their total basic prices shall be loaded for evaluation purpose.

All other terms and conditions remain same as per original RFQ.

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BHEL-SBD

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COMPONENT & **OPERATIONS**

CHARACTERISTIC

CLASS

TYPE OF CHECK

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BHARAT HEAVY ELECTRICALS LIMITED BENGALURU-560012 PROF.C.N.R RAO CIRCLE, IISC POST MALLESHWARAM, SOLAR BUSINESS DIVISION

6.	M 8	QUANTUM OF CHECK	STANDARD QUALITY ASSURANCE PLA ITEM: 157 MM DWS MULTI CRYSTALLINE MCCE SOLAR SILICON WAFER
7.		REFERENCE DOCUMENT	ALITY AS
ço		ACCEPTANCE NORMS	STANDARD QUALITY ASSURANCE PLAN ITEM: 157 MM DWS MULTI CRYSTALLINE MCCE SOLAR SILICON WAFER QP NO.: EPD/QP/SPV/2021-22/0001 REV. NO.: 00 DATE: 13.07.2021 PAGE 1 OF 2
9.		FORMAT OF RECORD	QP NO.: EPD/QP/ REV. NO.: 00 DATE: 13.07.2021 PAGE 1 OF 2
**	3	A	/QP/: 2021
10.	В	AGENCY	SPV/2
11.		REMARKS	2021-22/0001

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		TESTING							DIMESNSIONAL									VISUAL
Textured Surface Reflectivity	Resistivity	Resistivity	Total Thickness variation(TTV)	Wafer bow (mm)	Diagonal Difference	Thickness	Width	Length										Visual defects
Critical	Critical	Critical	Critical	Major	Critical	Critical	Critical	Critical										Critical
Functional	Hunctional	Functional	Dimensional	Dimensional	Dimensional	Dimensional	Dimensional	Dimensional										Visual
	STANDARD	MFR. PLANT					STANDARD	MFR. PLANT								standard	er plant	Manufactur
2.5%	ON LEVEL	INSPECTI	10	1983	AQL 2.5% IS10673,	LEVEL S4,	INSPECT-	SPECIAL					1983	IS 10673,	AQL 1.0%	n level-l	inspectio	General
Z TVOL	PS 439-411-	BHEL Spec.				REVOL	PS 439-411-	BHEL Spec.								REV01	PS 439-411-	BHEL Spec.
17.5% ± 2.5%	0.8-2.0 Onm-cm	0.8-2.0 Ohm-cm	≤30 microns	≤ 50 microns	≤ 0.5 mm	180 ± 20 microns	157± 0.25 mm	157± 0.25 mm		contamination.	any other	stains, water marks and	micro cracks, pin holes,	from edge chips, cracks,	Wafers shall be free	any micro cracks.	prime category without	The wafers shall be of
Report	Report	Inspection	Insp. Report	insp. Report	Insp. Report	Insp. Report	Insp. Report	Insp. Report									Report	Inspection
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DOCUMENTATION. LEGEND: *D: RECORDS, INDENTIFIED WITH "TICK" (√) SHALL BE ESSENTIALLY INCLUDED BY VENDOR IN QA

P: PERFORM W: WITNESS AND V: VERIFICATION. AS APPROPRIATE ** M: MANUFACTURER/SUB-VENDOR, B: BHEL/BHEL NOMINATED INSPECTION AGENCY

CHP: CUSTOMER HOLD POINT BY BHEL/BHEL NOMINATED INSPECTION AGENCY SHALL IDENTIFED IN COLUMN

REVIEWED BY: GSK

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OGESH SHARWA, Sr. Dy. General Manager Outlifty & BE BHEL-EPD, Bengaluru - 560 012 / Pon a p.m.

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	BENGALURU-560012	PROF.C.N.R RAO CIRCLE, IISc POST MAI	SOLAR BUSINESS DIVISION	BHARAT HEAVY ELECTRICALS LIMITED

BHEL-SBD

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COMPONENT & **OPERATIONS**

CHARACTERISTIC

CLASS

TYPE OF CHECK

> QUANTUM OF CHECK

> > DOCUMENT

REFERENCE

3.6

4

PACKING

Concentration

Carbon

Major

Verification

MFR. PLANT STANDARD

MFR.

PLANT STD

STANDARD

concentration Oxygen

Major

Verification

MFR. PLANT STANDARD

MFR.

PLANT STD

Packing

Major

Visual

100%

Random check

PS 439-411-

REV01

BHEL Spec.

3.4

PARAMETERS TO

Brick life time

Major

Functiona

wafers

BE VERIFIED

P Type

Major

Verification

MFR. PLANT

MFR.

PLANT STD

PS 439-411-

REV01

BHEL Spec.

STANDARD MFR. PLANT

MFR. PLANT STD

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Life time

Major

Functional

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PS 439-411-

REV 01

BHEL Spec.

MFR. PLANT

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BENGALURU-560012 PROF.C.N.R RAO CIRCLE, IISc POST MALLESHWARAM, SOLAR BUSINESS DIVISION

> **ITEM: 157 MM DWS MULTI CRYSTALLINE MCCE SOLAR** SILICON WAFER STANDARD QUALITY ASSURANCE PLAN

DATE: 13.07.2021 **REV. NO.: 00**

QP NO.: EPD/QP/SPV/2021-22/0001

2	2	>	P	D.	Y	Ÿ				
As per spec		As per spec	As per spec	Boron, Gallium doped	>=5 micro second	>=5 micro second	,00		ACCEPTANCE NORMS	N.
Packing report		Supplier Test report	Supplier Test report	сос	Manufactur er record	Inspection Report	9.		FORMAT OF RECORD	PAGE 2 OF 2
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v		P	P	P	ъ	٥	*	3	AGI	
8		<	<	<	<	×	10.	В	AGENCY	
					Record review of corresponding brick / brick lot		11.		REMARKS	

** M: MANUFACTURER/SUB-VENDOR, B: BHEL/BHEL NOMINATED INSPECTION AGENCY

P: PERFORM W: WITNESS AND V: VERIFICATION. AS APPROPRIATE

"B" AS 'W" CHP: CUSTOMER HOLD POINT BY BHEL/BHEL NOMINATED INSPECTION AGENCY SHALL IDENTIFED IN COLUMN

REVIEWED BY: GSK

ಯೊಳಗೇಶ್ ಶರ್ಮಾ, ಹಿಂಯ ಕ್ರಾಪ್ ಕ್ರರಾನ್ ವ್ಯವಸ್ಥಾಪಕರು/ योगेश शर्मा, वरिष्ठ उप महाप्रबंधक / गुणता एव APPROVED BY:YS UDGERR

YOGESH SHARWA, Sr. Dy. General Manager / Quality & BE BHEL-EPD, Bengaluru - 560 012 Person Diff.