

ಭಾರತ್ ಹೆವಿ ಎಲೆಕ್ಟ್ರಿಕಲ್ಸ್ ಲಿಮಿಟೆಡ್ भारत हेवी इलेक्टिकल्स लिमिटेड Bharat Heavy Electricals Limited

(A Government of India Undertaking)

ELECTRONICS DIVISION

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Dt. 30.08.2017

Corrigendum-1 to RFQ No. SPKSCPV004 dated 24.08.2017 due date 07.09.2017 for Supply, I&C and O&M of 66KV Switchyard package for 15MW (AC) Solar PV Plant

Following revisions / modifications are incorporated in the Tender document :

- 1. Corrigendum -1 to Purchase Specification PS-439-1146 Rev. 00 (2 Pages enclosed).
- 2. Fill and submit the Annexure-C (copy enclosed)

All other terms and conditions of RFQ remain unchanged.

Additional General Manager SC&PV/MM

Regd. OFFICE: BHEL House, Siri Fort, New Delhi - 110 049



Specification for design, supply, installation and commissioning, operations and maintenance of 66kV switchyards, underground cables for 15MW (AC) solar power plant at Charanka Solar Park, Gujarat

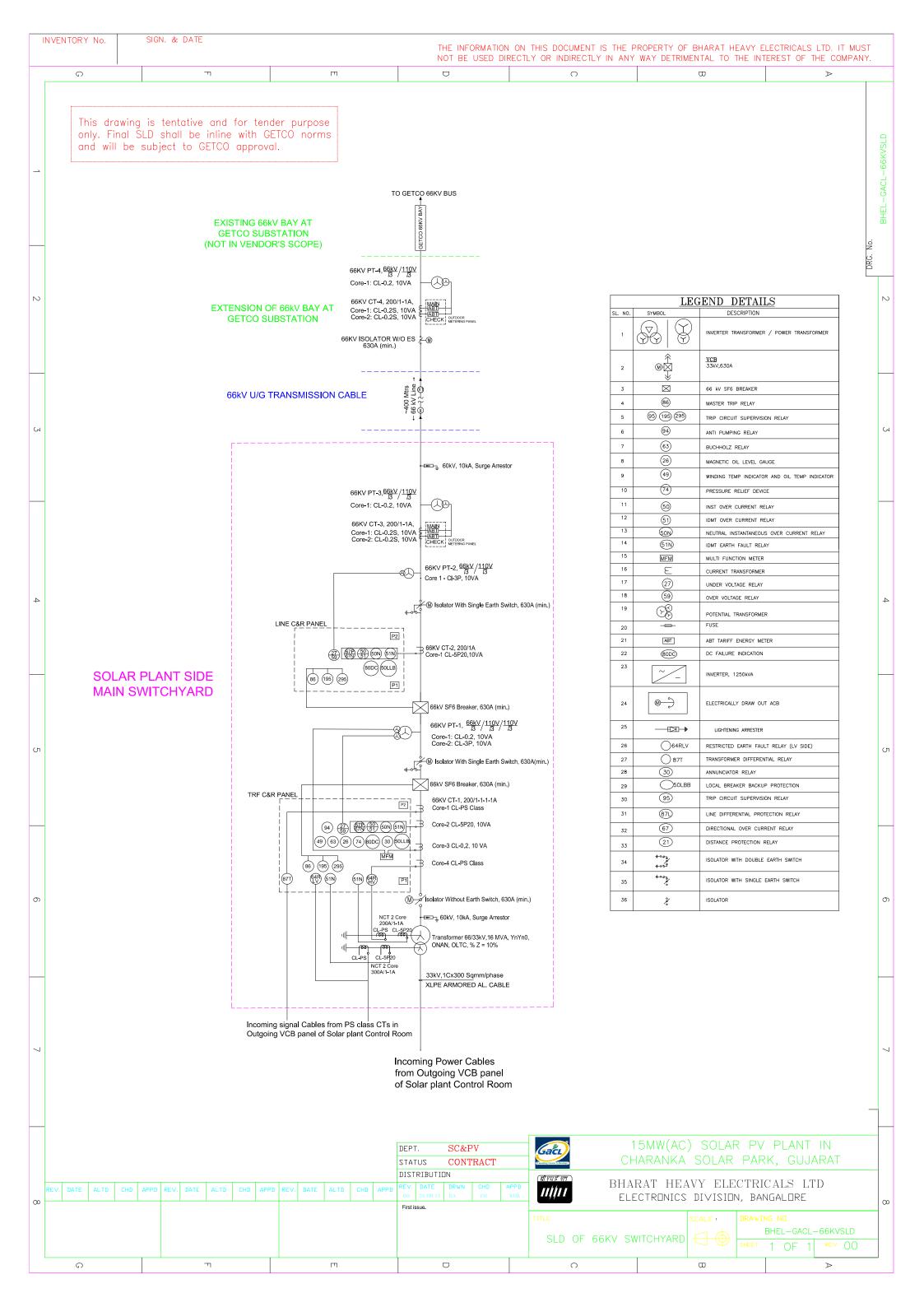
PS-439-1146

CORRIGENDUM-1

PAGE: 1 OF 1

Corrigendum-1 to purchase specification PS-439-1146 Rev. 00

#	Tender clauses	Description as in tender	Revised description as per this Corrigendum	
1	5.1.2 (a) -SI.No 5 (b) in page 11 of 116	120kV 10kA station class-3 gapless metal oxide surge arrestor (LA) – 6 Nos	60kV 10kA station class-3 gapless metal oxide surge arrestor (LA) – 6 Nos	
2	6.7.4 (1) in page 53 of 116	Arrestor rating: 120kV, 10kA, Class-3 with IB	Arrestor rating: 60kV, 10kA, Class-3 with IB	
3	6.7.4 in page 54 of 116	120 KV ZINC OXIDE LIGHTNING ARRESTERS TYPE AND SYSTEM DATA The lightning arresters shall be of 120 KV, gapless zinc oxide and suitable for outdoor operation without protection from sun and rain.	60 KV ZINC OXIDE LIGHTNING ARRESTERS TYPE AND SYSTEM DATA The lightning arresters shall be of 60 KV, gapless zinc oxide and suitable for outdoor operation without protection from sun and rain.	
4	7.8(f) in page 69 of 116	Cables for interfacing different protections & control schemes of the new bay to the existing 132 kV SWYD protections & schemes.	Cables for interfacing different protections & control schemes of the new bay to the existing 66 kV SWYD protections & schemes.	
5	Annexure-1	Single line diagram to be ignored: Drawing No. BHEL-GACL-ELEC-ACSLD-001 Rev1	Single line Diagram to be considered: Drawing No. BHEL-GACL-66KVSLD Rev0	



	List of Documents to be submitted by Vendors/Subcontractors for SPV Contracts.	Confirmation on submission	Deviation / Remarks
	nents (Type - A): For all Civil & I&C & O&M		
	Documents		
1	Wage Sheet (Form 17)	YES / NO	
2	Attendance Register (w.r.t Sl No.1)	YES / NO	
3	Workman Policy & Additional Insurance (Automotive Liability, Group Serivs Insuarnce Policy et	YES / NO	
4	PF Challan	YES / NO	
5	ESI (Employee State Insurance)	YES / NO	
6	ECR (Electronic Challan Receipt)	YES / NO	
7	Bank Statement for PF deposit	YES / NO	
8	RCS (Remittance Confirmation Slip)	YES / NO	
)uality l	Oocuments (Type - B): For all MMS Civil Works		
	Documents		
1	FQA (Field Quality Assuarance)	NA	
2	Field Content, Slump Test	NA	
3	Gradiation of Aggregate (10mm, 20mm)	NA NA	
4	Fine Aggregate Test (for Sand)	NA NA	
5		NA NA	
6	Cube Test Registered Material Test Certificate for Steel & Cement		
		NA NA	
7	Consumption Register for Steel & Invoice	NA NA	
8	Pour Card for Concreting purpose	NA NA	
9	Royalty Reports (10mm, 20mm, Sand)	NA NA	
10	Sand Soundess Test Reports	NA	
11	Slump Test Register	NA	
12	Sieve Analysis, Flakiness Index, Elongation Index - Register to be maintained	NA	
13	Moisture Content Coarse and Fine Aggregate - Register to be maintained	NA	
14	Water Test Report for Concrete	NA	
15	Design Mix Report for Concrete	NA	
	Oocuments (Type - B): For all Civil related Works		
	Documents		
1	FQA (Field Quality Assuarance)	YES / NO	
2	Field Content, Slump Test	YES / NO	
3	Gradiation of Aggregate (10mm, 20mm)	YES / NO	
4	Fine Aggregate Test (for Sand)	YES / NO	
5	Cube Test Registered	YES / NO	
6	Material Test Certificate for Steel & Cement	YES / NO	
7	Consumption Register for Steel & Invoice	YES / NO	
8	Pour Card for Concreting purpose	YES / NO	
9	Royalty Reports (10mm, 20mm, Sand)	YES / NO	
10	Sand Soundess Test Reports	YES / NO	
11	Warpage of Bricks Test Reports	YES / NO	
12	Core Cutting (Compaction Test) - Roads & Pathways		
13	Slump Test Register	YES / NO YES / NO	
	Sieve Analysis, Flakiness Index, Elongation Index - Register to be maintained	·	
14		YES / NO	
15	Moisture Content Coarse and Fine Aggregate - Register to be maintained*	YES / NO	
16	Brick Test Reports	YES / NO	
17	Plastering profile and thickness	YES / NO	
18	Compaction test beneath floor of all buildings Reports	YES / NO	
10	Test Certificates for Paint, Glan, Glazing, etc.	YES / NO	
19		YES / NO	
20	Test Certificates Aluminium Section for doors and windows (Anodisation Certificates also)		
	Test Certificates Aluminium Section for doors and windows (Anodisation Certificates also) BBS for Buildings	YES / NO	
20			
20 21	BBS for Buildings	YES / NO	
20 21 22 23	BBS for Buildings Water Test Report for Concrete Design Mix Report for Concrete	YES / NO YES / NO	
20 21 22 23 23 Quality I	BBS for Buildings Water Test Report for Concrete Design Mix Report for Concrete Occuments: for Electrical & Mechanical Installation Works (BOS)	YES / NO YES / NO	
20 21 22 23 23 Quality I	BBS for Buildings Water Test Report for Concrete Design Mix Report for Concrete Occuments: for Electrical & Mechanical Installation Works (BOS) Documents	YES / NO YES / NO YES / NO	
20 21 22 23 23 20 20 21 21 21 21 21 21 21 23	BBS for Buildings Water Test Report for Concrete Design Mix Report for Concrete Occuments: for Electrical & Mechanical Installation Works (BOS) Documents FQA (Field Quality Assuarance)	YES / NO YES / NO YES / NO YES / NO	
20 21 22 23 23 Quality I Sl No. 1 2	BBS for Buildings Water Test Report for Concrete Design Mix Report for Concrete Occuments: for Electrical & Mechanical Installation Works (BOS) Documents FQA (Field Quality Assuarance) Inspection Reports	YES / NO	
20 21 22 23 23 20 20 21 31 No. 1 2 3	BBS for Buildings Water Test Report for Concrete Design Mix Report for Concrete Occuments: for Electrical & Mechanical Installation Works (BOS) Documents FQA (Field Quality Assuarance) Inspection Reports Guarantee Certificates	YES / NO	
20 21 22 23 23 Quality I Sl No. 1 2	BBS for Buildings Water Test Report for Concrete Design Mix Report for Concrete Occuments: for Electrical & Mechanical Installation Works (BOS) Documents FQA (Field Quality Assuarance) Inspection Reports	YES / NO	

NOTE:

^{*} This list of documents is indicative and intended towards all Solar Projects.

^{*} Apart from the above, any other document required by the Customer and which are mandatory for Billing by BHEL to the Customer, the same needs to be provided by the respective vendors.