

Corrigendum-III

Date: 16/03/2017

Ref: PE/PG/RTC/E-5455/2016 dtd 20/02/2017 (Due Date: 24/03/2017; 02:00 PM)

Subject: Rate Contract of Spring for BFP, FAN & MILL Foundation

To,

Dear Sir/Madam,

This is in reference to our Tender Enquiry no. PE/PG/RTC/E-5455/2016 dtd 20/02/2017 (Due Date: 24/03/2017; 02:00 PM) for the subject item.

In this connection, Bidders may please note that Corrigendum-III is being issued for following, which will be part of NIT:

Sl.	In place of (as given in NIT)	Shall be read as
1	Price Bid Format-Annexure-I Rev1	Price Bid Format-Annexure-I Rev2
2	----Delivery period for Supervision of E&C: 30 days from the date of intimation for sending person for E&C supervision, failing which LD @ 0.5% per week of total contract value for E&C supervision for that project shall be levied limited to 10%.	---- Delivery period for Supervision of E&C: 30 days from the date of intimation for sending person for E&C supervision, failing which LD @ 0.5% per week or part thereof of total contract value for E&C supervision for that project shall be levied limited to 10% of supervision of E & C value.
3	Refer NIT cl. no. (iii) b & (iii) c	NIT cl. no. (iii) b & (iii) c are applicable for Indian bidders only.
4	Wordings "The envelope sealed price bid" Cl. no. 9 under Tender Enquiry terms & conditions	Price bids submitted online at e-procurement portal
5	Cl. no. 11 under Tender Enquiry terms & conditions	Delivery terms for Indian dispatches shall be FOR Dispatch Station & Foreign Dispatches CIF Chennai Port.
6	Based on Pre-bid meetings held with bidders, point wise clarifications of relevant technical queries of bidders	Refer Annexure-I to Corrigendum-III

All other terms remains unaltered.

Thanking you.
Yours faithfully,
For and on behalf of BHEL
(N C Sharma/Sr. Engr.)

16/03/2017



कृपया प्रेषित करे :
बीएचईएल, पीएस-पीइएम
पीपीआईआई भवन
प्लॉट नं २५, सेक्टर १६ ए
नोएडा - २०१ ३०१ उ प्र
भारत

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ANNEXURE-I TO CORRIGENDUM-III**TECHNICAL SPECIFICATION FOR RATE CONTRACT OF SPRING FOR BFP,
FAN AND MILL FOUNDATION**

Sl no	Clause no of Specification	In place of	Shall be read as
1	4.13	The visco-liquid shall be silicon based visco-liquid of M/s Wacker make or equivalent satisfying QP requirements.	The visco-liquid shall be silicon based visco-liquid (of M/s Wacker make or equivalent) or equivalent satisfying QP requirements and Annexure-A
2	4.18	Double nut with washer plate	One nut along with lock nut

ANNEXURE-A

The viscous material should have proven performance to meet all the following criteria. However, in addition to these criteria, any other technical requirement of BHEL has to be fulfilled by the bidder at all stages of engineering and execution.

- Viscous damper should satisfy damping requirement of specification.
- The viscosity of damping solution as per QP should be fulfilled. DIN 51562 or equivalent should be complied.
- The viscous fluid should be time tested to prove that material property does not get changed with time (also refer clause 4.19 of specification).
- Bidder needs to furnish accelerated performance test report for the visco-liquid in confirmation to non-changeability of property in lifetime of plant. Otherwise bidder can also furnish certificate of successful operation of machine supported on visco-damper with the same visco-liquid for minimum 7 years.
- The temperature resistance of damper should comply to plant requirement (also refer clause 4.9 of specification).
- The viscous fluid shall have practically same material properties in the commonly exposed weather condition during whole plant life.
- Safety against fire hazard must be ensured.
- Human safety during handling and under operating condition must be ensured.

Bidder should submit the documents conforming of material test properties as required above.

DESCRIPTIONS OF ITEMS

Applicable for Indian Bidders (Price in INR)

Applicable for Foreign Bidders (Bidder to indicate their Currency)

SUPPLY OF DIFFERENT TYPES OF VIS MODULES

MODULE TYPE		Category	Vertical Deflection under nominal load (mm)	Nominal Load carrying capacity(kN)	Damping resistance (KN-s/m)	Quantity (Nos.)	Ex-Works Price including packing & forwarding charges per module given at sl no. A1 to A13 col. no. 8	Ex-Works Price including packing & forwarding charges per MODULE/SET (Rs.)	Total Ex-Works (Rs.)	ED (Including cess) (Rs.)	CST against form E	FREIGHT CHARGES (including Service Tax) (Rs.)	TOTAL F.O.R. SITE PRICE for CIF & Non-CIF Quantities shall be derived separately based on derived unit-ex works prices after considering quoted benefits in lieu of availing CIF, refer note point 10 below), taxes & duties. (Rs.)	Unit C & F Indian Sea Port Price(Currency)	Total C & F Indian Sea Port Price(Currency)	OCEAN/ MARINE INSURANCE	PORT HANDLING CHARGE (INR)	CUSTOM DUTY (INR)	INLAND FREIGHT CHARGES INCLUDING SERVICE TAX) (INR)	TOTAL F.O.R. SITE PRICE for CIF & Non-CIF Quantities shall be derived separately based on derived unit-ex works prices & applicable loading for each case (Rs.)		
1	2	3	4	5	6 VERTICAL	7 HORIZONTAL	8	9	10=11*8	11=9*A1100	12	13	14	15=11+12+13+14	16	17	18	19	20	21	22	23
1	SP14S	1	47	145		5	0.1353862	Derived	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	Derived	Derived					Derived		
2	SP220	1	47	220	NA	120	4.7352304	Derived	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	Derived	Derived					Derived		
3	SP240	1	47	240	NA	40	1.6628075	Derived	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	Derived	Derived					Derived		
4	SP290	1	47	290	NA	50	2.5149331	Derived	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	Derived	Derived					Derived		
5	SP330	1	47	330	NA	430	24.1692616	Derived	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	Derived	Derived					Derived		
6	SPV220	1	47	220	120-190	45	1.9887968	Derived	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	Derived	Derived					Derived		
7	SPV240	1	47	240	180-260	90	4.1902750	Derived	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	Derived	Derived					Derived		
8	SPV290	1	47	290	180-260	5	0.2816725	Derived	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	Derived	Derived					Derived		
9	SPV330	1	47	330	180-260	170	10.7019242	Derived	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	Derived	Derived					Derived		
10	SPV475+	2	17	475	500	85	8.6302134	Derived	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	Derived	Derived					Derived		
11	SPV560+	2	17	560	500	85	9.7003291	Derived	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	Derived	Derived					Derived		
12	SPV729+	2	17	729	500	170	24.2452796	Derived	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	Derived	Derived					Derived		
13	SPV0+	3		NIL	500	170	7.0438906	Derived	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	Derived	Derived					only damping type		
A						Total cost of VIS module(1 to 13)		1,465		100.0000000		TO BE QUOTED		Derived		Derived		TO BE QUOTED		Derived		
SUPPLY OF TOOLS FOR ERECTION & COMMISSIONING OF VIS																						
						No of Sets		Ex Works PRICE In percentage of total cost of VIS modules (Rs.)		Ex Works PRICE per set (Rs.)		Total Ex-Works (Rs.)		ED (Including cess) (Rs.)		CST against form E		FREIGHT CHARGES (including Service Tax) (Rs.)		TOTAL F.O.R. SITE PRICE shall be derived separately based on derived unit-ex works prices after considering quoted benefits in lieu of availing CIF, refer duties, (Rs.)		
B1						All Tools for erection & commissioning of VIS including electric pump		10 SET		2.9681201		Derived		Derived		% TO BE QUOTED		% TO BE QUOTED		Derived		Derived
B2						All Tools for erection & commissioning of VIS including electric pump for mill foundation		3 SET		2.6384699		Derived		Derived		% TO BE QUOTED		% TO BE QUOTED		Derived		Derived
B						B=B1+B2				TO BE QUOTED		Derived		Derived		Derived		Derived		Derived		Derived
SUPERVISION OF ERECTION & COMMISSIONING OF VIS																						
C1						Supervision charge per visit(one visit consists of 3 days stay at site)		133		6.5793328		Derived		Derived		TO BE QUOTED		TO BE QUOTED		Derived		Derived
C2						Per day charge for staying extralress number of days at site		89		0.5603451		Derived		Derived		TO BE QUOTED		TO BE QUOTED		Derived		Derived
C						C=C1+C2				TO BE QUOTED		Derived		Derived		Derived		Derived		Derived		Derived
GRAND TOTAL COST TO BHEL (A+B+C)																						
Note:																						
1 The quantity against VIS modules, Tools, Supervision visits etc., indicated in price schedule above are tentative and the actual number may vary to any extent as per detailed engineering.																						
2 The minimum load carrying capacity has been mentioned for each type of VIS module. In case, bidder offers to supply their standard VIS module with different value of load carrying capacity than specified, same may be accepted by BHEL, subject to fulfillment of technical requirements and without any price implication.																						
3 The VIS modules supplied by the bidder shall be of same categories with respect to deflection, i.e., the deflection of all VIS modules under its rated load should be same for all the VIS modules supplied by the bidder.																						
4 All the VIS modules in same category should have same deflection under its rated load carrying capacity.																						
The vertical deflection of the VIS module under its rated nominal load has been mentioned in the price schedule. In case bidder offers to supply their standard VIS module with different value of deflection than specified, same may be accepted by BHEL, subject to +/- 7 % variation with respect to the specified deflection. However, All the VIS modules in same category must have same deflection under Plan dimension of the modules of same category may vary as per the required load carrying capacity. However the height of all the modules of same category must be same.																						
5 The approximate range of damping co-efficient has been specified under various categories of VIS module with damper (SPV type). In case, bidder offers to supply their standard VIS module with different value of damping resistance than specified, same may be accepted by BHEL, subject to fulfillment of technical requirements and without any price implication.																						
6 The VIS with "marked shall be used preferably for mill foundation. These module shall be closed and sealed from all sides with proven durable, flexible material enclosure to avoid dust ingress inside the module.																						
7 Price per visit is lumpsum which includes travel and accommodation charge.																						
8 L1 bidder shall be decided based on the lowest of the Grand Total cost to BHEL (A+B+C) separately for CIF & Non-CIF projects in line with cl. (iv) of NIT.																						
9 Packaging & forwarding charges is included in the Ex-work price of VIS module.																						
Whenever "derived" is written to be calculated based on "TO BE QUOTED" value of (A), indigenous vendors having CIF are required to indicate CIF @ ____% of their total ex-works supply value and ____% Benefit carryforward on ex-works value in lieu of availing CIF in line with point no. (ii) of NIT. Discount is not applicable on supervision prices.																						