

SUGGESTIVE PRICE FORMAT ANNEXURE-IV GUARANTEED POWER CONSUMPTION FORMAT						Doc No:	PE-PF-457-571-A101
						Rev No:	0
						Date of issue:	07 October 2020
NAME OF PROJECT:		3X660 MW NABINAGAR STPP- FGD					
NAME OF PACKAGE:		GYPSUM DEWATERING SYSTEM (VACUUM BELT FILTER TYPE)					
TECHNICAL SPECIFICATION:		PE-TS-457-571-A101					
Sl.No.	Description / Item	Working	Standby	Power Consumption (KW) (at motor input terminal)	Duty Factor	Power Consumption (KW)	
1	2	3	4	5	6	7 = 3 x 5 x 6	
a.	Vacuum Belt Filter	1	1		1		
b.	Vacuum Pump	1	1		1		
c.	Cake Wash Pump	1	1		1		
d.	Belt Filter Wash Pump	1	1		1		
e.	Belt Filter Vent Fan	1	1		1		
f.	Filtrate Extraction Pump	1	3		1		
g.	Sump Pump	1	1		1		
				Total Guaranteed power (KW)			
Notes							
Guaranteed power consumption falls under Category - I guarantees.							
1	Power consumption (KW) of motors shall be measured at motor input terminals when the system operating at the rated capacity. For this purpose, the drives of standby equipment shall not be considered.						
2	The minimum value of the total guaranteed power consumption quoted amongst techno commercially qualified bidders shall be taken as the guaranteed base power for the bid evaluation.						
3	The total guaranteed power consumption quoted by the bidders at column no. (7) shall be loaded at the rate of USD 1538 per KW for the differential power quoted over the guaranteed base power arrived as mentioned at S.N. 2 above.						
4	Guaranteed Power Consumption in this Format shall be submitted in sealed envelope along with price bid as part of techno commercial offer. However along with unpriced format, bidder shall furnish guaranteed power consumption format indicating "Quoted" in the above table.						

5	Power quoted by bidder shall be termed as 'Guaranteed Power consumption' (GPC) and bidder shall be liable to demonstrate compliance to GPC value during PG test/ Demonstration test at site. If the actual power consumption exceeds the quoted guaranteed power consumption, then the contractor shall carry out all necessary modifications and/or replacements to make the equipment/system comply with the guaranteed power consumption at no extra cost to the NPGCL/BHEL and reconduct the performance guarantee test with NPGCL/BHEL consent. In case the actual power consumption during performance test still does not meet the guaranteed power consumption within 90 days or a reasonable time period allowed by NPGCL/BHEL, NPGCL/BHEL reserves the right to either of the following. a) Reject the equipment/system/plant and recover from the successful bidder the payments already made <i>or</i> b) Accept the equipment/system/plant after levying Liquidated damages at the rate of USD 2484 KW excess power consumption, over the guaranteed power consumption indicated by the bidder in his bid. Such liquidated damages may be recovered by BHEL by deduction from the contract price or by enforcing the contract performance guarantee or in any other manner deemed fit by BHEL.
6	USD conversion rate shall be taken as defined in NIT.
7	"Any equipment/ item required by bidder as per their proven design to make 'vacuum belt filter' complete/ operational and is operating on continuous basis, shall be considered under S.N. 'a' in the GPC format, i.e., "Vacuum Belt Filter" and the power consumption shall be quoted accordingly."

Letter head of CA/ Statutory auditor / Cost auditor (>Rs. 10 Cr value)

Ref:

Date:

To,

Bharat Heavy Electricals Limited

PEM, PPEI Building, Plot No 25,

Sector -16A, Noida (U.P)-201301

Subject: - Certification regarding local content

Reference: Tender Enquiry No-.....

Name of Package:

Dear Sir,

We hereby certify that items of(package name).....for.....(Project Name/Rate Contract).....offered by M/s(bidder's name)..... having its registered works at has local content of%.

Further, M/s(bidder's name)..... meets the requirement of minimum local content in line with clause no..... of NIT no..... dated..... and the Public Procurement (Preference to Make in India), Order 2017 dated-15.06.2017, 28.05.2018 & 29.05.2019.

Thanking You.

For (CA/Cost Firm Name with FRN & Seal)

Chartered/Cost Accountants

(name of Member)

(Membership no.)

(UDIN no.)

Letter head of Company (<Rs. 10 Cr value)

Ref.....

Date.....

To,

Bharat Heavy Electricals Limited

PEM, PPEI Building, Plot No 25,

Sector -16A, Noida (U.P)-201301

Subject: - Certification regarding local content

Reference: Tender Enquiry No-.....

Name of Package:

Dear Sir,

We hereby certify that items offered by us of(package name).....for.....(Project Name/Rate contract)..... meets the requirement of minimum local content in line with Cl. No..... of NIT No..... dated..... and the Public Procurement (Preference to Make in India), Order 2017 dated-15.06.2017, 28.05.2018 & 29.05.2019.

We further confirms that details of location at which the local value addition is made will be our registered works at(address of the works)

Yours very truly

..... (authorized signatory of company)

..... (firm name)

authorized signatory
of company

Guidelines for Remote Inspection of PEM BOIs

1) OBJECTIVE:

To lay down the procedure for carrying out Remote Inspection of Bought-out Items (BOIs) for PEM suppliers wherever applicable.

2) SCOPE:

It will cover suppliers for packages of PEM BOIs for various project requirements.

Invitation is sent to the suppliers for remote inspection on applications like MS Teams, Webex, etc. by BHEL.

3) MINIMUM REQUIREMENTS AT SUPPLIER'S WORKS:

- i. Uninterrupted internet services
- ii. Good internet bandwidth (Min 100 Mbps)
- iii. Good resolution camera (2 nos) – one preferably CCTV (static at one place) and one hand hold (moving)
- iv. Smart phone with minimum 8MPi camera front and back both with optical zoom facility suitable for using web applications like Webex, MicroSoft (MS) Teams, etc.
- v. Computer and Scanner with good resolution
- vi. Digital signatures of supplier's Quality Engineer
- vii. Availability of web applications like Webex, MicroSoft (MS) Teams, as required.
- viii. All Test certificates, internal test reports, calibration reports, etc. for the items offered for inspection.
- ix. Availability of the above to be submitted to BHEL two days in advance before inspection.
- x. Dedicated team from supplier side for facilitating inspection requirements.
- xi. For ensuring proper visibility, the suggested Portable lighting sources (torch/ electric LED bulb of minimum 15 W) with no glare is to be ensured at offered job, location for remote inspection/testing. This is to be verified before start of the inspection.
- xii. The GPS location co-ordinates or any method to locate inspection location shall be captured indicating the location of the Vendor-Premises of remote inspection/testing.

4) MINIMUM REQUIREMENTS AT BHEL and CUSTOMER LOCATION :

- i. Uninterrupted internet services
- ii. Suitable internet bandwidth
- iii. Digital signatures wherever required.
- iv. Availability of web applications like Webex, MS Teams, etc. as required.
- v. Clearance from customer for conducting remote inspection

5) PROCEDURE:

- i. Supplier will raise the inspection call in BHEL - CQIR portal.
- ii. Supplier shall ensure availability of minimum requirements at supplier's works as mentioned above at point 3.

- iii. Before starting the inspection, the supplier shall submit the documents (TCs, internal test reports and calibration certificates as per approved QAP) two days before the date of inspection for review by BHEL and supplier shall coordinate with BHEL and if found satisfactory, inspection shall be considered for remote.
 - iv. Prior to commencement of remote inspection a pre inspection meeting shall be organised by BHEL inspector with supplier to ascertain the readiness for remote inspection.
- 6) During inspection, supplier shall share the location on Google maps for verifying the address of the manufacturer. Location may be captured by BHEL as screenshot.
- i. Inspection shall be on the basis of approved Quality Plans and associated reference documents mentioned.
 - ii. For witnessing inspection, supplier shall bring the mobile video camera near to the surface of the equipment or as per requirement of the inspector for clarity in viewing the test/ equipment which shall be the responsibility of supplier. Supplier shall ensure that proper lighting is available during live video streaming.
 - iii. Before start of the inspection, inspector shall ensure that all instruments shall have valid calibration report. Supplier shall ensure use of digital instruments preferably for inspection to the extent possible.
 - iv. Details of suppliers's dedicated team handling the remote inspection shall also be incorporated in the CQIR.
 - v. All details of inspection/ testing referred documents shall be mentioned in the CQIR. Recording of remote inspection shall be maintained by the BHEL inspector and this recording (unedited) shall be maintained at BHEL system for a minimum period of 3 years or till the warranty period whichever is later.
 - vi. PEM (Engineering) shall accord final technical clearance, in case of any deviation in inspected item noticed during inspection.
 - vii. Inspection shall be conducted by PEM-Q&BE assigned inspector along with PEM-Engg (if required). CQIR shall be prepared and maintained by PEM-Q&BE.
 - viii. PG will issue MDCC on the basis of acceptance of inspected items along with accepted packing photographs as per contract provisions.
- 7) **UNDERTAKING BY VENDOR:** Material inspected through remote inspections is meeting all technical requirements of BHEL. In case of any discrepancy from the above procedure/ material inspected, if found later, vendor will replace the materials without any cost implication to BHEL.
- 8) Vendor shall provide the signed and stamped of the above guidelines to BHEL as a token of acceptance.

	CORPORATE QUALITY ASSURANCE MAIN CONTRACTOR EVALUATION REPORT			

i.	Main Contractor					
ii.	Project					
iii.	Package Name		Package No			
iv.	Proposed Item/Scope of Sub-contracting					
v.	Item covered under	Schedule-1		As per contract clause No-		
		Schedule-2				
vi.	If item is Schedule-1 and proposed sub-vendor is indigenous, Main Contractor to explain how the contractual provisions will be fulfilled-					
vii.	Name and Address of the proposed Sub-vendor's works					
viii.	PO placement date/ Start of manufacturing (if self-manufactured) as per L2 network					
ix.	Item Description (Type/Size/Rating/Scope of Sub-Contracting)	Total quantity of proposed item envisaged in this package (Nos/ Running Meters/ Kgs/ Tons etc)	Quantity proposed to be procured from proposed sub-vendor (Nos/ Running Meters /Kgs /Tons etc)	Per month quantity requirements as per project schedule	Actual monthly production capacity viz-a-viz the monthly proposed order requirement	
x.	Supply experience of the proposed sub-vendor (including supplies to Main Contractor, if any) for similar item/scope of sub-contracting, for last 3 years (<i>Note:- Only relevant experience details wrt proposed item/scope of subcontracting to be brought out here</i>)					
	Project/Package	Customer Name	Supplied Item (Type/Rating/Model /Capacity/Size etc)	PO ref no/date	Supplied Quantity	Date of Supply
We confirm that as per our assessment, the proposed sub-vendor has requisite capabilities and supply experience for the proposed item/scope of sub-contracting.						
Name:		Desig:		Sign:		Date:

Company's Seal/Stamp:-

Format No. : QS-01-QAI-P-04/F1-R3

1/1

Engg. div./QA&I

	CORPORATE QUALITY ASSURANCE SUB-VENDOR QUESTIONNAIRE	

i.	Item/Scope of Sub-contracting			
ii.	Address of the registered office	Details of Contact Person (Name, Designation, Mobile, Email)		
iii.	Name and Address of the proposed Sub-vendor's works where item is being manufactured	Details of Contact Person: (Name, Designation, Mobile, Email)		
iv.	Annual Production Capacity for proposed item/scope of sub-contracting			
v.	Annual production for last 3 years for proposed item/scope of sub-contracting			
vi.	Details of proposed works			
1.	Year of establishment of present works			
2.	Year of commencement of manufacturing at above works			
3.	Details of change in Works address in past (if any)			
4.	Total Area			
	Covered Area			
5.	Factory Registration Certificate	Details attached at Annexure – F2.1		
6.	Design/ Research & development set-up (No. of manpower, their qualification, machines & tools employed etc.)	Applicable / Not applicable if manufacturing is as per Main Contractor/purchaser design Details attached at Annexure – F2.2 (if applicable)		
7.	Overall organization Chart with Manpower Details (Design/Manufacturing/Quality etc)	Details attached at Annexure – F2.3		
8.	After sales service set up in India, in case of foreign sub-vendor (Location, Contact Person, Contact details etc.)	Applicable / Not applicable Details attached at Annexure – F2.4		
9.	Manufacturing process execution plan with flow chart indicating various stages of manufacturing from raw material to finished product including outsourced process, if any	Details attached at Annexure – F2.5		

	CORPORATE QUALITY ASSURANCE SUB-VENDOR QUESTIONNAIRE
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10.	Quality Control exercised during receipt of raw material/BOI, in-process , Final Testing, packing	Details attached at Annexure – F2.6			
11.	Manufacturing facilities (List of machines, special process facilities, material handling etc.)	Details attached at Annexure – F2.7			
12.	Testing facilities (List of testing equipment)	Details attached at Annexure – F2.8			
13.	If manufacturing process involves fabrication then-	Applicable / Not applicable			
	List of qualified Welders	Details attached at Annexure – F2.9 (if applicable)			
	List of qualified NDT personnel with area of specialization				
14.	List of out-sourced manufacturing processes with Sub-Vendors' names & addresses	Applicable / Not applicable Details attached at Annexure. –F2.10 (if applicable)			
15.	Supply reference list including recent supplies	Details attached at Annexure – F2.11 (as per format given below)			
Project/ package	Customer Name	Supplied Item (Type/Rating/Model /Capacity/Size etc)	PO ref no/date	Supplied Quantity	Date of Supply
16.	Product satisfactory performance feedback letter/certificates/End User Feedback			Attached at annexure - F2.12	
17.	Summary of Type Test Report (Type Test Details, Report No, Agency, Date of testing) for the proposed product (similar or higher rating) Note:- Reports need not to be submitted			Applicable / Not applicable Details attached at Annexure – F2.13 (if applicable)	
18.	Statutory / mandatory certification for the proposed product			Applicable / Not applicable Details attached at Annexure – F2.14 (if applicable)	
19.	Copy of ISO 9001 certificate (if available)			Attached at Annexure – F2.15	
20.	Product technical catalogues for proposed item (if available)			Details attached at Annexure – F2.16	
Name:		Desig:		Sign:	Date:

Company's Seal/Stamp:-