बीएचईएल BHEL	**PROJECT: SIPAT STPP PH-III (1x800MW)** **PACKAGE: COMPRESSED AIR SYSTEM** **TECHNICAL PRE-QUALIFICATION REQUIREMENT**	**PE-PQ-520-555-A001**	
		DATE	**SEP 2025**
		REV. No.	**00**
		PAGE No.	**Page 1 of 1**

S. No.	DESCRIPTION
1.	**TECHNICAL PRE-QUALIFICATION REQUIREMENT** **COMPRESSED AIR SYSTEM** • The bidder should have designed, manufactured, supplied, erected/supervised erection and commissioned/supervised commissioning of at least one (1) number non-lubricated oil free screw type air compressor of minimum capacity 20 NM3/min or at least one (1) number centrifugal air compressor of minimum capacity 50 NM3/min and at rated discharge pressure of 8 kg/cm2 (g), which should have been in successful operation for minimum one (1) year as on 10.07.2024. Bidder shall offer only the type of compressors for which he is qualified.

NOTES:

a.	The Bidder has to submit following supporting documents meeting above mentioned pre-qualifying requirement: Copy of minimum one (1) performance certificate (in English) from end user along with copy of related Purchase Order (PO) or Letter of Intent (LOI) or letter of Award (LOA) or Work Order (WO) in support of PQR clause mentioned at S. No. 1.0 above.
b.	Bidder shall submit design documents to substantiate technical parameters specified in PQR, if the same is not mentioned in performance certificate / purchase order.
c.	Bidder to submit all supporting documents in English. If documents submitted by bidder are in language other than English, a self-attested English translated document should also be submitted.
d.	Consideration of offer shall be subjected to customer’s approval of bidders, if applicable.
e.	After satisfactory fulfilment of all the above criteria / requirement, offer shall be considered for further evaluation as per NIT and all the other terms of the tender.
f.	Notwithstanding anything stated above, CUSTOMER/BHEL reserves the right to assess the capabilities and capacity of the Bidder to perform the contract, should the circumstances warrant such assessment in the overall interest of the CUSTOMER/BHEL (Bidder to furnish details mentioned in Annexure-I).
g.	The bidder shall meet PQR based on its own credentials. Bid from joint venture (JV) company / Consortium bid is not acceptable.
h.	**Sub-Supplier Qualification Requirement for Air Drying Plant (ADP):** The ADP proposed to be supplied for this package, shall be sourced from such manufacturers who have manufactured and supplied at least one (1) number Air Drying Plant of capacity 50 NM3/min or more and the type same as offered, which should have been in successful operation for at least one (1) year as on 10.07.2024. Bidder has to furnish an undertaking to meet this sub-supplier Qualification Requirement. However, Bidder to furnish the required documents (as mentioned against Note no. a) for establishing ADP provenness as per Annexure-II of this PQR, after placement of order.

Prepared By	Checked By	Approved By

CORPORATE QUALITY ASSURANCE

SUB-VENDOR QUESTIONNAIRE

ANNEXURE-I

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***		
10.	***Sources of Raw Material/Major Bought Out Item***	***Details attached at Annexure – F2.6***		
11.	***Quality Control exercised during receipt of raw material/BOI, in-process , Final Testing, packing***	***Details attached at Annexure – F2.7***		
12.	***Manufacturing facilities*** ***(List of machines, special process facilities, material handling etc.)***	***Details attached at Annexure – F2.8***		

13.	*Testing facilities* *(List of testing equipment)*	***Details attached at Annexure – F2.9***
14.	***If manufacturing process involves fabrication then-*** ***List of qualified Welders*** ***List of qualified NDT personnel with area of specialization***	***Applicable / Not applicable*** ***Details attached at Annexure – F2.10*** ***(if applicable)***
15.	***List of out-sourced manufacturing processes with Sub-Vendors' names & addresses***	***Applicable / Not applicable*** ***Details attached at Annexure. –F2.11*** ***(if applicable)***
16.	***Supply reference list including recent supplies***	***Details attached at Annexure – F2.12*** ***(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***

17.	***Product satisfactory performance feedback letter/certificates/End User Feedback***	***Attached at annexure - F2.13***
18.	***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 – F2.14*** ***(if applicable)***
19.	***Statutory / mandatory certification for the proposed product***	***Applicable / Not applicable*** ***Details attached at Annexure – F2.15*** ***(if applicable)***
20.	***Copy of ISO 9001 certificate*** ***(if available)***	***Attached at Annexure – F2.16***
21.	***Product technical catalogues for proposed item (if available)***	***Details attached at Annexure – F2.17***

Name:		***Desig:***		***Sign:***		***Date:***	

Company's Seal/Stamp:-

Sub : Sub-Qualifying Requirements for the Compressed Air System stipulated in Clause No. 4.7 of Sub-Section-IA, Part-A, Section-VI of Technical Specification of Bidding Documents.

Sl.No.	Item	Plant 1

A) Air Compressor

In line with the Sub-qualifying requirements stipulated in Clause 4.7 of Sub-Section-IA, Part-A, Section-VI, we / our sub-vendor confirm that we/our sub-vendor have designed, manfactured, supplied, erected /supervised erection and commissioned/supervised commissioning of atleast one (1) no. non-lubricated oil free screw type air compressor of minimum capacity 20 NM3/min each or atleast one (1) no. centrifugal air compressors of minimum capacity 50 NM3/min each and at rated discharge pressure of 8 Kg./cm2(g) which have been in successfull operation for atleast one (1) year.

1.	Name of the Project and its address where the system is installed	....
2.	Name of the Client with address, name of Contact person(s) with tel.no. & fax no.	....
3.	Order No. and date	
4.	Purchase order enclosed	Yes/No
5.	Name of the Manufacturer & Address	
6.	Date of commissioning of the compressors	
7.	No. of Compressors supplied	
8.	Whether the scope of work executed for the aforesaid compressors included the following	
	a) Designed	Yes/No
	b) Manufactured	Yes/No

Signature of authorized signatory.................

Sl.No.	Item		Plant 1
	c)	Supplied	Yes/No
	d)	Erected/supervised erection	Yes/No
	e)	Commissioned/supervised commissioning	Yes/No
9.	Brief Technical particulars of the Compressors (Bidder to fill)		
	a)	whether the compressor supplied was non lubricated oil free screw/centrifugal type air compressor	
	b)	Make & Model	
	c)	Capacity	
	i)	Flow (NM3/Min)	
	ii)	Discharge pressure [Kg/cm2/(g)]	
10.	Whether atleast **one (01)** compressor have been in successful operation for a period of not less than one (01) year.		
11.	Whether documentary evidence in support of above enclosed?		Yes/No

Signature of authorized signatory.................

B) Air Drying plant

We/our sub-vendor further declare that the Air Drying Plant (ADP) to be supplied under the package shall be sourced from manufacturer(s) M/s........................ who have manufactured and supplied atleast one (1) no. Air Drying Plant each of capacity 50 NM3/min or more and the type same as offered, which have been in successful operation for atleast one (01) year. The experience details of manufacturer are as follows :

Sl.No.	Item	Plant 1
1.	Name of the Project and its address where the system is installed	....
2.	Name of the Client with address, name of Contact person(s) with tel.no. & fax no.	....
3.	Order No. and date	
4.	Purchase order enclosed	Yes/No
5.	Name of the Manufacturer & Address	
6.	Date of commissioning of the Air drying unit	
7.	No. of Air drying unit supplied	
8.	Whether the scope of work executed for the aforesaid Air drying unit included the following	
	a) Manufactured	Yes/No
	b) Supplied	Yes/No
9.	Brief Technical particulars of the Air Drying unit (Bidder to fill)	
	a) Type	
	b) Flow (NM3/Min)	

Signature of authorized signatory.................

ANNEXURE-II

Sl.	Item	Plant 1
10.	Whether atleastone (01) air dryring plants have been in successful operation for atleast one year.	
11.	Whether documentary evidence in support of above enclosed?	Yes/No

Date :

(Signature)..

Place :

(Printed Name)..

(Designation)..

(Common seal)..

PRICE ADJUSTMENT FORMULA FOR SUPPLY PORTION FOR COMPRESSED AIR SYSTEM

(1) The price adjustment formula is defined for price components related to Main Supply package.

(2) The amount of price adjustment shall be computed as under:

EC = EC1 - EC0

EC1 will be computed as follows:

EC1= EC0 {F + a x A1bco/ A0bco + Lb x L1/ L0}

Where

EC = Adjustment in Ex-Works supply Price.

EC1 = Adjusted Amount of Ex-Works supply Price.

EC0 = Ex-Works supply Price as per LOA/ PO.

(i) 'F' shall be fixed portion of the Ex-Works supply Price and shall be considered as 0.15.

(ii) 'a' shall be co-efficient which shall be considered as 0.6

(iii) A1bco & A0bco are as per "ALL COMMODITIES" as published in RBI Bulletin, Sl. No. 1 respectively, Base: 2011-12 = 100

(iv) 'Lb" shall be co-efficient for labour component in the Ex-Works Component of the supply Price which shall be considered as 0.25

(v) 'L' shall be consumer price index for industrial workers as published by RBI in RBI Bulletin, S.N. 1, Base year 2016=100 (Extract of website is pasted below for reference).

(vi) For the indices,

Subscript '0' refers to indices of the Base Month which shall be taken as the month before the month of the price bid opening.

Subscript '1' refers to indices of the month of reckoning the variated price which shall be the month before the month in which dispatch is made.

The latest available indices are to be extrapolated to the above defined month w.r.t the base month.

Source link of RBI bulletin: https://rbi.org.in/Scripts/BS_ViewBulletin.aspx?Id=20964

Note:

1) The price adjustment i.e. either increase or decrease shall be applicable up to the contractual date of completion of supplies. Contractual delivery/dispatch date would mean the delivery/dispatch date mentioned in the order including amendments in delivery/dispatch date (if any). PVC will not be applicable for the period beyond the contractual delivery/dispatch date where delay is attributable for supplier.

2) The price adjustment shall be limited to (+) 10% of Ex-Works Supply Price including commissioning spares. However, there shall be no limit on negative price adjustment.

PRICE ADJUSTMENT FOR SERVIC PART (E&C) FOR COMPRESSED AIR SYSTEM

(i) The price adjustment provisions shall be applicable for price components relating to service part (E&C) as per price break-up furnished by the Contractor.

(ii) The amount of price adjustment shall be computed as under:

ER = ER1 - ER0

ER1 will be computed as follows:

ER1= ER0 X {F + Lb x L1/ L0}

Where

ER = Adjustment in E&C Prices (without taxes & duties).

ER1 = Adjusted Amount of E&C Prices (without taxes & duties).

ER0 = E&C Prices (without taxes & duties) as per LOA.

(i) ‘F’ shall be fixed component and shall be considered as 0.15.

(ii)'Lb" shall be co-efficient for labour component in the Ex-Works Component of the E&C price which shall be considered as 0.85

(iii)'L' shall be consumer price index for industrial workers as published by RBI in RBI Bulletin, S.N. 1, Base year 2016=100 (Extract of website is pasted below for reference).

(iv)For the indices,

Subscript '0' refers to indices of Base Month for PVC which shall be taken as the month before the month of the price bid opening.

Subscript '1' refers to indices of the month of reckoning the variated price which shall be the month before the month in which E&C is carried out.

The latest available indices are to be extrapolated to the above defined month w.r.t the base month.

Source link of RBI bulletin: https://rbi.org.in/Scripts/BS_ViewBulletin.aspx

Note:

1) The price adjustment i.e. either increase or decrease shall be applicable up to the contractual date of completion of Erection and Commissioning. Contractual Erection and Commissioning completion date would mean the Completion date mentioned in the order including amendments in work completion date (if any). PVC will not be applicable for the period beyond the contractual work completion date where delay is attributable for supplier.

2) The price adjustment shall be limited to (+) 10% of E & C Prices (without taxes & duties). However, there shall be no limit on negative price adjustment.

PRE - QUALIFYING REQUIREMENTS

PROJECT:	**1X800 MW SIPAT TPP**
PACKAGE:	**COMPRESSED AIR SYSTEM**

CRITERIA FOR EVALUATION - FINANCIAL :

	Amount (in Rs.)
Average annual financial turnover value during any three out of last six Financial Years as on tender due date should not be less than	**1,51,00,000**

Rs.One Crore Fifty One Lakh only

Notes:-

a) The bidder has to submit financial accounts (audited, if applicable comprising of Audit report, Balance Sheet, Profit & Loss A/c Statement and Notes/Schedules pertaining to Turnover/Sales/Revenue), for any three out of last six Financial Years (or from the date of incorporation, whichever is less) as on tender due date to review the above criteria. In case the incorporation of vendor is less than 3 years, average annual financial turnover shall be calculated based on available information as below:-

i) If the accounts are available for <= 1 Financial Year, the Average Annual Turnover shall be calculated based on available information divided by 1 (One).

ii) If the accounts are available for >1 but < = 2 Financial Years, the Average Annual Turnover shall be calculated based on available information divided by 2 (Two).

iii) If the accounts are available for >2 but <= 3 Financial Years, the Average Annual Turnover shall be calculated based on available information divided by 3 (Three).

b) Foreign bidder is to submit a latest report from reputed third party business rating agency like Dun & Bradstreet, Credit reform etc. in addition to the documents mentioned at point (a) above for review of above criteria.

c) Other Income shall not be considered for arriving at Annual Turnover/Sales.For evaluation purpose,turnover figure excluding taxes shall be considered.

d) For evaluation of foreign bidder, exchange rate (TT selling rate of SBI) as on scheduled date of tender opening (Part-I bid in case of two part bid) shall be considered.

e)Bidder who is 50% or above subsidiary of any other company including those registered outside India and does not meet any of the above Financial Criteria, such bidder may be qualified based on credentials of its holding company provided such holding company meets the above PQR criteria. In such case, the Bidder would be required to furnish a Letter of Support from its Holding Company, pledging unconditional and irrevocable financial support for the execution of the Contract by the Bidder in case of award.

f)In cases where audited results for the last financial year as on the date of Techno Commercial bid opening are not available, a Certificate would be required from CEO/CFO stating that the financial results of the Company are under audit as on the date of Techno-commercial bid opening and are not available.