

Note No. #1

Name of work : Replacement of existing 12.5TR (43.96kW) Packaged Air Conditioning Unit with New Precision AC units of equivalent capacity (12.5TR) in CNS Equipment & Automation unit room at Level 19 of ATC Sky Tower Mumbai.

VCCS System and DVTR system provided at Level-19 are very important electronic equipment and need constant cooling. The critical ATC tower communication operation is dependent on VCCS system. At present 2 Nos. of York Make 12.5TR Ductable Package AC units are providing cool air to these systems which were installed during 2012 by MIAL.

Over the period of time, the bodies of outdoor units are corroded and indoor units are also developed repeated faults. Major failures were occurred in these AC units in Oct-2019 & again also in Feb-2021 due to the fault in the compressor in one unit and expansion valve broken, drier choke up in other unit.

The life span of AC units above 5TR capacity is 15 years as per Material Management Manual. As these machines are providing air cooling to very critical equipment which are directly related to voice communication of ATC and pilot, to provide reliable cooling system, even though these AC units have not outlived their useful life, it is proposed to replace the existing 12.5TR packaged AC units with new precision AC units of equivalent capacity for smooth functioning and trouble free operation.

Accordingly, preliminary estimate amounting to Rs. 16,28,400/- (Rupees Sixteen Lakh Twenty Eight Thousand Four Hundred only) including Labour Cess @1%, Contingencies @3% and GST @28% has been prepared for accord of A/A & E/S by Competent Authority.

In Capital Expenditure budget BE 2021-22 for RHQ (WR), Mumbai fund of Rs.01 lakh at Sr. No. 03 is available for the above subject work. Remaining fund will be projected & ensured in RE 2021-22

As per DOP Para 8.1 (a), GM(Engg), WR is Competent Authority for accord of A/A & E/S upto Rs.500 Lakh.

Therefore, preliminary estimate amounting to Rs. 16,28,400/- (Rupees Sixteen Lakh Twenty Eight Thousand Four Hundred only) is recommended for accord of A/A & E/S of Competent Authority.

Submitted please.

19/05/2021 6:42 PM

**AKSHAY CHHABILAL BADOLE
(MGR(E-E)-WR)**

Note No. #2**उपरोक्त नोटिंग देखे।**

Reference to the Noting above.

Existing 2 Nos. of York Make 12.5TR Ductable package ACs installed at Level-19 are feeding cooling to very important electronic equipment like VCCS System and DVTR system on which critical ATC tower communication operation is dependent. Major breakdowns were occurred in these AC units in Oct-2019 & again also in Feb-2021 due to various faults even after regular preventive maintenance. Even after replacement of major components like compressors, expansion valves, drier etc. during breakdown maintenance, these AC units are non-reliable and developing regular minor breakdowns.

These 12.5TR Ductable Package AC units were installed during 2012 by MIAL and are in continuous use for last more than 9 years. As per Material Management Manual, the life span of AC units above 5TR capacity is 15 years. Even though these AC units have not outlived their useful life, it is proposed to replace the existing 12.5TR packaged AC units with new precision AC units of equivalent capacity as these machines are providing air cooling to very critical equipment which are directly related to voice communication of ATC and pilot which needs reliable cooling system for proper functioning of VCCS System and

DVTR system,

Survey Report for disposal of the dismantled ACs will be prepared once these ACs will be removed from operation.

Therefore, Preliminary Estimate amounting to 16,28,400/- (Rupees Sixteen Lakh Twenty Eight Thousand Four Hundred only) including Labour Cess @1%, Contingencies @3% and GST @28% has been prepared for replacement of the existing 12.5TR packaged AC units with new precision AC units of equivalent capacity for accord of A/A & E/S by Competent Authority.

Fund provision of Rs.1.00 lakh is available in Capital Expenditure Budget BE 2021-22 (Sr. No.03) and balance fund shall be ensured in RE 2021-22 for this work.

As per DOP Para 8.1 (a), GM (Engg.), WR is Competent Authority for accord of A/A & E/S.

Recommended and submitted for accord of A/A & E/S please.

20/05/2021 9:38 AM

NANDKUMAR BAPURAO KUNDALE
(AGM(E-E)-WR)

Note No. #3

Refer pre-page noting.
please check and put up.

20/05/2021 11:20 AM

SUNIL KUNDALIK WAGHMARE
(JGM(E-E)-WR)

Note No. #4

Please refer the pre page noting.

Please check and put up.

20/05/2021 1:16 PM

MD SADRUL HUDA
(SM(E-E)-WR)

Note No. #5

Reference to pre-page noting,

Name of work: Replacement of existing 12.5TR (43.96KW) Packaged Air Conditioning Unit with New Precision AC units of equivalent capacity (12.5TR) in CNS Equipment & Automation unit room at Level 19 of ATC Sky Tower Mumbai.

The existing 2 Nos. of York Make 12.5TR Ductable Package AC units are serving very critical equipment at ATC tower which are directly related to voice communication of ATC and pilot which need reliable cooling system for proper functioning of VCCS System and DVTR system.

The existing AC units have not outlived their useful life, however the user dte. proposed to replace the existing units

with new precision AC units of equivalent capacity as these are developing regular minor breakdowns and are not reliable.

The Preliminary Estimate prepared amounting to 16,28,400/- (Rupees Sixteen Lakh Twenty Eight Thousand Four Hundred only) including Labour Cess @1%, Contingencies @3% and GST @28% is checked and recommended.

Submitted Please,

26/05/2021 1:20 PM

SRAVAN KANTH BALAKA
(MGR(E-E)-WR)

Note No. #6

Reference to pre-page noting,

1. The existing 2 Nos. of York Make 12.5TR Ductable package ACs units were installed in the year 2012 at Skt Tower. These ACs are providing cooling to critical communication equipment i.e., VCCS System and DVTR system .
2. Major breakdowns were occurred in these AC units in Oct-2019 & again also in Feb-2021.
3. Although these ACs are not outlived their useful life ,AGM(E-E) ,RHQ,WR has proposed to replace with New Precision Type Air Condition Package units as the existing ACs are not reliable and developing frequent faults.
4. In view of the above preliminary Estimate for the work of "**Replacement of existing 12.5TR (43.96kW) Packaged Air Conditioning Unit with New Precision AC units of equivalent capacity (12.5TR) in CNS Equipment & Automation unit room at Level 19 of ATC Sky Tower Mumbai**" has been prepared by AGM(E-E), WR amounting to **Rs. 16,28,400/-** (Rupees Sixteen Lakh Twenty Eight Thousand Four Hundred only) including Labour Cess @1%, Contingencies @3% and GST @28%.
5. Survey report for the existing 2 Nos Ac units shall be prepared after installation of New PACs.
6. There is a Fund provision of **Rs.1.00 lakh** is available in Capital Expenditure Budget **BE 2021-22 (Sr. No.03)** and balance fund shall be ensured in RE 2021-22 for this work.

In view of the above it is recommended for accord AA&ES amounting to **Rs.16,28,400/-** inclusive of Labour Cess @1%, Contingencies @3% and GST @28% by the Competent Authority.

As per DOP Para 8.1 (a), **GM (Engg.)**, **RHQ-WR** is Competent Authority for accord of A/A & E/S.

File is forwarded for financial concurrence before accord of AA&ES by the Competent Authority.

Submitted Please.

27/05/2021 11:08 AM

MD SADRUL HUDA
(SM(E-E)-WR)

Note No. #7

Refer pre-page noting.

In view of above, it is recommended to issue financial concurrence for Rs 1628400.00 i/c all taxes.

Replacement recommended due to following.

1. These precision AC are designed for low temp. specially for vital installation such as sky Tower equipment .
 2. OEM, M/S YORK is not proving any technical support last so many years and not maintaining these ACs, also not supporting for spare parts during breakdown. There fore operation of these ACS are very difficult due to frequent break down and complaints from CNS and ATC at sky tower.
 3. Though life has not outlived its useful life, these ACs are not reliable and developing frequent breakdown and no support from OEM.
- So recommended for replacement and issue FC by F&A at the earliest so AA&ES can be accorded by GM Engg.

27/05/2021 12:52 PM

SUNIL KUNDALIK WAGHMARE
(JGM(E-E)-WR)

Note No. #8

27/05/2021 4:28 PM

SATYAJIT LAI
(JGM(FIN)-WR)

Note No. #9

28/05/2021 10:14 AM

RAMA D PAWAR
(AGM(FIN)-WR)

Note No. #10

कृपया पिछले पृष्ठ पर स्थित टिप्पणीयोंका अवलोकन करें -

1. The proposal is for accord of AA & ES for the work "Replacement of existing 12.5TR (43.96kW) Packaged Air Conditioning Unit with New Precision AC units of equivalent capacity (12.5TR) in CNS Equipment & Automation unit room at Level 19 of ATC Sky Tower Mumbai." The estimated cost of work is Rs.12,72,179.00 i/c. 1% Labour Cess, 3% Contingency & excluding GST.

2. According to history sheet, Existing 2 Nos. of York Make 12.5TR Ductable package ACs installed at Level-19 are feeding cooling to very important electronic equipment like VCCS System and DVTR system on which critical ATC tower communication operation is dependent. Major breakdowns were occurred in these AC units in Oct-2019 & again also in Feb-2021 due to various faults even after regular preventive maintenance. Even after replacement of major components like compressors, expansion valves, drier etc. during breakdown maintenance, these AC units are non-reliable and developing regular minor breakdowns. These 12.5TR Ductable Package AC units were installed during 2012 by MIAL and are in continuous use for last more than 9 years. As per Material Management Manual, the life span of AC units above 5TR capacity is 15 years. Even though these AC units have not outlived their useful life, it is proposed to replace the existing 12.5TR packaged AC units with new precision AC units of equivalent capacity as these machines are providing air cooling to very critical equipment which are directly related to voice communication of ATC and pilot which needs reliable cooling system for proper functioning of VCCS System and DVTR systems.

3. As per Engg. Dept. Budget Provision has been made in BE 2021-22 for Rs.01.00 Lakh and and balance fund shall be ensured in RE 2021-22 for this work.

4. As per D.O.P. para 8.1(a), GM (Engg) WR is the Competent Authority to accord AA & ES.

5 In view of the above we may accord Financial Concurrence for accord of AA & ES for Rs.12,72,179.00 (Rupees Twelve Lakh Seventy Two Thousand One Hundred and Seventy Nine Only) i/c. 1% Labour Cess, 3% Contingency & excluding GST for the work "Replacement of existing 12.5TR (43.96kW) Packaged Air Conditioning Unit with New Precision AC units of equivalent capacity (12.5TR) in CNS Equipment & Automation unit room at Level 19 of ATC Sky Tower Mumbai."

अनुमोदन हेतु प्रस्तुत

31/05/2021 2:51 PM

SUDHAKAR YADAV
(JE(FIN)-WR)

Note No. #11

Reference Notes ante..

In view of above the proposal may be financially concurred for

Rs.12,72,179/- (Rupees Twelve lakhs seventy two thousand one hundred seventy nine only) Plus GST for accord of AA & ES for work "Replacement of existing 12.5TR (43.96kW) Packaged Air Conditioning Unit with New Precision AC units of equivalent capacity (12.5TR) in CNS Equipment & Automation unit room at Level 19 of ATC Sky Tower Mumbai." under DOP para 8.1(a) where GM(Engg) WR is the Competent Authority to accord AA&ES, subject to:-

- (i) Engg Deptt may ensure Inclusion of this work in Commitment Budget 2021-22 after receipt of approved Commitment Budget 2021-22 from CHQ.
- (ii) Engg Deptt may ensure sufficient budget provision before expenditure is incurred.
- (iii) Survey off of the dismantled material may be.

submitted

31/05/2021 3:11 PM

RAMA D PAWAR
(AGM(FIN)-WR)

Note No. #12

उपरोक्त टिप्पणी के संदर्भ में यह

In this respect following points may be clarified;

1. *whether the AC systems are in AMC or not and if yes with OEM / not, may be confirmed.*
2. *If the same was in AMC with OEM / non OEM, corrective action for same and / or penalty / recovery action etc as per the contract provision has been taken or not may be confirmed.*
3. *Considering the current financial situation of AAI and austerity measure in vogue, Engg dtel may review the proposal to undertake only those works which are urgent & Operational requirement. Engg deptt may also explore the possibility of delaying the proposal for reasonable period without compromising the Passenger safety & security point of view.*

संयुक्त महा प्रबंधक (इंजी)

07/06/2021 1:15 PM

SATYAJIT LAI
(JGM(FIN)-WR)

Note No. #13

Refer pre-page noting.
please put up reply.

08/06/2021 1:37 PM

SUNIL KUNDALIK WAGHMARE
(JGM(E-E)-WR)

Note No. #14

उपरोक्त नोटिंग देखे।

Reference to the Noting above.

बिंदुवार जवाब निम्नानुसार है:

The point wise reply is as below:

1. whether the AC systems are in AMC or not and if yes with OEM / not, may be confirmed – *AC system is under AMC through open tender with non-OEM agency.*
2. If the same was in AMC with OEM / non OEM, corrective action for same and / or penalty / recovery action etc. as per the contract provision has been taken or not may be confirmed – *All corrective actions through non OEM agency has been taken has been taken however, there is always a risk of break-down of AC system which may resulting in non-availability of vital communication systems available at Mumbai ATC.*
3. Considering the current financial situation of AAI and austerity measure in vogue, Engg dte. may review the proposal to undertake only those works which are urgent & Operational requirement. Engg deptt may also explore the possibility of delaying the proposal for reasonable period without compromising the Passenger safety & security point of view. – *Failure of communication system at ATC may endanger the passenger safety and security as well, hence the system needs urgent replacement for smooth operations of communication equipment.*

प्रस्तुत है।

Submitted please.

10/06/2021 1:46 PM

NANDKUMAR BAPURAO KUNDALE
(AGM(E-E)-WR)

Note No. #15

Refer pre-page noting.

AS per CNS DTE air-conditioning is essentially required round the clock for equipment's for communication system at sky tower .The existing AC system gone under break down earlier no .of times and phase lot of difficulty by users . considering this it is essentially required to replace the old AC system so as to provide trouble free AC to CNS equipment's.

10/06/2021 2:48 PM

SUNIL KUNDALIK WAGHMARE

(JGM(E-E)-WR)

Note No. #16

We may discuss the issue

/tGM(E-E)

14/06/2021 5:10 PM

SATYAJIT LAI
(JGM(FIN)-WR)

Note No. #17

Refer pre-page noting.

In view of above, matter discussed with GM F&A so put up report as i told today.

16/06/2021 12:43 PM

SUNIL KUNDALIK WAGHMARE
(JGM(E-E)-WR)

Note No. #18

उपरोक्त नोटिंग देखे।

Reference to the Noting above.

मशीनों के खराब होने का विवरण ई-फाइल में संलग्न है।

The details of breakdown of the machines are attached in e-file.

यह देखा जा सकता है कि दोनों मशीनों में दो-दो बड़े ब्रेकडाउन और कई छोटे ब्रेकडाउन थे। एसी सिस्टम में किसी और बड़े ब्रेकडाउन से बचने के लिए जो सीएनएस उपकरणों के प्रदर्शन को प्रभावित कर सकता है और जिससे एयर ट्रैफिक कंट्रोल के कामकाज में बाधा आ सकती है, इन मशीनों को जल्द से जल्द बदलने की सिफारिश की जाती है।

It can be seen that both the machines had two major breakdowns each and many minor breakdowns. To avoid any further major breakdown in AC system which may affect the performance of CNS equipment and thereby lead to hamper the functioning of Air Traffic Control, it is recommended to replace these machines at the earliest.

प्रस्तुत है।

Submitted please.

24/06/2021 4:34 PM

NANDKUMAR BAPURAO KUNDALE
(AGM(E-E)-WR)

Note No. #19

Refer pre-page noting.

This proposal was discussed with GM F&A and asked to provide the existing AC breakdowns. Accordingly attached the copy of breakdown for ready reference. As earlier explained the necessity the proposal may be financial

concurrence so as to accord AA&ES by competent authority.

24/06/2021 5:15 PM

SUNIL KUNDALIK WAGHMARE
(JGM(E-E)-WR)

Note No. #20

25/06/2021 10:38 AM

SATYAJIT LAI
(JGM(FIN)-WR)

Note No. #21

Reference Notes ante.

The ACs are proposed to be replaced before their useful life based on difficulties faced by the Engg Dte. As per DOP it seems that there is no specific para for replacement of capital equipment before its normal useful life. If any guidelines or circular is there in this matter, may kindly be linked. We may request Engg Deptt, WR to seek clarification/approval from CHQ in the matter before accord of FC/approval etc.

28/06/2021 4:04 PM

RAMA D PAWAR
(AGM(FIN)-WR)

Note No. #22

28/06/2021 6:48 PM

SATYAJIT LAI
(JGM(FIN)-WR)

Note No. #23

Refer pre-page noting.

Comment please.

29/06/2021 10:59 AM

SUNIL KUNDALIK WAGHMARE
(JGM(E-E)-WR)

Note No. #24

उपरोक्त नोटिंग देखे।

Reference to the Noting above.

बिंदुवार जवाब निम्नानुसार है:

The point wise reply is as below:

1. *The ACs are proposed to be replaced before their useful life based on difficulties faced by the Engg Dte.*

REPLY: *Matter of fact.*

2. *As per DOP, it seems that there is no specific para for replacement of capital equipment before its normal useful life. If any guidelines or circular is there in this matter, may kindly be linked.*

REPLY: *The replacement of capital assets fall under DOP para 8.20(a) "To sanction scrapping / write off of capital assets which due to normal wear and tear have become unserviceable or **are considered beyond economical repairs**". The instant case will be processed for scrapping of capital assets which are considered beyond economical repairs. Also, Chapter IX (page no. 29) of Materials Management Manual, para 9.1 stipulates the situations under which disposal actions arise and sub para (iv) says "Where though the capital asset has not outlived its normal life as per the laid down norms but for technical / operations reasons, it is desired to dispose it off." The technical / operational reasons have already given in earlier notings of Electrical Dept. with required details.*

3. *We may request Engg Deptt, WR to seek clarification / approval from CHQ in the matter before accord of FC / approval etc.*

REPLY: *As per DOP para 8.20(a) RED-WR is having powers to approve scrapping of capital assets which are beyond economical repairs upto Rs.10 Lakh for each individual asset. Hence, Engineering dept. do not recommend sending the case to CHQ.*

As brought out earlier, to avoid any major breakdown in AC machines which may affect the performance of CNS equipment and thereby lead to hampering the functioning of Air Traffic Control, the FC may be accorded for replacement of these machines.

29/06/2021 4:43 PM

NANDKUMAR BAPURAO KUNDALE
(AGM(E-E)-WR)

Note No. #25

Refer pre-page noting.
In view of above,
FC May be issued.

29/06/2021 5:09 PM

SUNIL KUNDALIK WAGHMARE
(JGM(E-E)-WR)

Note No. #26

29/06/2021 5:17 PM

SATYAJIT LAI
(JGM(FIN)-WR)

Note No. #27

Reference Notes ante..

Further to Note-10 dated 31.05.2021, as per justification given by Engg Deptt as above the proposal may be financially concurred for Rs.12,72,179/- (Rupees Twelve lakhs seventy two thousand one hundred seventy nine only) Plus GST for accord of AA & ES for work "Replacement of existing 12.5TR (43.96kW) Packaged Air Conditioning Unit with New Precision AC units of equivalent capacity (12.5TR) in CNS Equipment & Automation unit room at Level 19 of ATC Sky Tower Mumbai." under DOP para 8.1(a) where GM(Engg) WR is the Competent Authority to accord AA&ES, subject to:-

(i) Engg Deptt may ensure Inclusion of this work in Commitment Budget 2021-22 after receipt of approved Commitment Budget 2021-22 from CHQ.

(ii) Engg Deptt may ensure sufficient budget provision before expenditure is incurred.

(iii) Survey off of the dismantled material, if any may be submitted.

Submitted please.

01/07/2021 10:47 AM

RAMA D PAWAR
(AGM(FIN)-WR)

Note No. #28

पूर्व के टिप्पणियों का संदर्भ -

यह समझा जाता है कि इंजीनियरिंग निदेशालय, डब्ल्यूआर, ने अभी तक पुष्टि नहीं की है कि सभी एसी ओईएम के साथ एएमसी / सीएमसी आदि में थे या नहीं, और यदि नहीं, तो ओईएम के साथ एएमसी / सीएमसी न होने का कारण स्पष्ट रूप से सामने नहीं आया है। अभियांत्रिकी निदेशालय, पश्चिम क्षेत्र से अनुरोध है कि इसे उचित औचित्य आदि के साथ टिप्पणियों में लाया जाए। और सभी एसी वर्तमान में एएमसी / सीएमसी आदि के माध्यम से कैसे बनाए रखा जाता है, या नहीं, यह भी स्पष्टता के लिए टिप्पणियों में लाया जा सकता है।

साथ ही निर्माण कार्य नियमावली / डीओपी आदि में इसके मूल जीवन काल के पूरा होने से पहले उपकरण के प्रतिस्थापन पर प्रावधानों (अर्थात् इंजीनियरिंग निदेशालय द्वारा लाए गए जो 15 वर्ष हैं) को टिप्पणियों में लाया जा सकता है। यदि ऐसा कोई प्रावधान नहीं है, तो इसके सामान्य जीवन काल से पहले पूंजीगत संपत्ति के प्रतिस्थापन के लिए सक्षम प्राधिकारी से अनुमोदन प्राप्त करना आवश्यक है।

Reference to the notes ante

It is understood that Engg dte., WR has not yet confirmed whether the ACs were in AMC / CMC etc. with OEM and if not, then the reason for non AMC / CMC with

the OEM has not been clearly brought out. Engg dte., WR is requested to brought about the same with proper justification etc. And how the ACs are currently maintained thru' AMC / CMC etc., or not, may also be brought out for clarity. Also the provisions in Works Manual / DoP etc. on the replacement of the equipment before completion of its original life span (i.e.15 years as brought by Engg dte.) may be brought out. If there is no such provisions, so approval from competent authority for replacement of Capital assets before its normal life span is required to be obtained.

महा प्रबंधक (इंजी.), प.क्षे.

05/07/2021 7:15 PM

SATYAJIT LAI
(JGM(FIN)-WR)

Note No. #29

08/07/2021 7:26 PM

एस के गुप्ता | S K GUPTA
(महाप्रबंधक (इंजी-सिविल/विद्युत)-प.क्षे.) | GM(E-C)-WR)

Note No. #30

Refer pre-page noting.
PLESAE REPLY.

09/07/2021 11:02 AM

SUNIL KUNDALIK WAGHMARE
(JGM(E-E)-WR)

Note No. #31

उपरोक्त नोटिंग देखे।

Reference to the Noting above.

बिंदुवार जवाब निम्नानुसार है:

The point wise reply is as below:

1. It is understood that 'Engg dte., WR has not yet confirmed whether the ACs were in AMC / CMC etc. with OEM and if not, then the reason for non AMC / CMC with the OEM has not been clearly brought out. Engg dte., WR is requested to brought about the same with proper justification etc. And how the ACs are currently maintained thru' AMC / CMC etc., or not, may also be brought out for clarity.

REPLY : It has already been recorded vide Note # 14 in reply of previous query that the AC system is under AMC through open tender with non-OEM agency as directed by Competent Authority. ([Copy of Noting and e-mail correspondence is attached](#))

2. Also the provisions in Works Manual / DoP etc. on the replacement of the equipment before completion of its original life span (i.e.15 years as brought by 'Engg dte.) may be brought out. If there is no such provisions, so approval from competent authority for

replacement of Capital assets before its normal life span is required to be obtained.

REPLY: Reference to the Manuals/DoP are already recorded vide Note # 24 in reply to the previous query of Finance dept. As mentioned in the Materials Management, the Capital Assets can be replaced before expiry of its useful life span due to technical reasons. Technical reasons are already recorded by Engineering Dept. in previous notings. Approval for write off of Competent Authority will be taken after dismantling of the system as per provisions of DoP after following the procedures given in Works Manual para 12.5 and Chapter-IX of Materials Management Manual.

In view of above, to avoid any major breakdown in AC machines which may affect the performance of CNS equipment and thereby lead to hampering the functioning of Air Traffic Control, FC may be accorded for replacement of these machines at the earliest.

09/07/2021 1:25 PM

NANDKUMAR BAPURAO KUNDALE
(AGM(E-E)-WR)

Note No. #32

Refer pre-page noting.
please check and put up.

09/07/2021 3:40 PM

SUNIL KUNDALIK WAGHMARE
(JGM(E-E)-WR)

Note No. #33

उपरोक्त नोटिंग देखे।

Reference to the Noting above.

मेसर्स जॉन्सन कंट्रोल्स इंडिया ने अपने दिनांक 07.04.2015 के ई-मेल में पुष्टि की है कि उन्होंने मेसर्स क्लासिक कूलिंग सिस्टम्स प्रा. लिमिटेड, मुंबई को यॉर्क मेक ए सी यूनिट्स की CAMC के लिए संदर्भित किया है। इसके अलावा, जॉन्सन कंट्रोल्स की वेबसाइट के सत्यापन पर, यह पाया गया कि 2005 में, जॉन्सन कंट्रोल्स ने यॉर्क इंटरनेशनल का अधिग्रहण किया है (संदर्भ के लिए प्रति संलग्न)। इसलिए, यॉर्क इंटरनेशनल अब मौजूद नहीं है।

M/s. Johnson Controls India vide their e-mail dtd. 07.04.2015 has confirmed that they have referred M/s. Classic Cooling Systems Pvt. Ltd., Mumbai for the CAMC of York make units. Further, on verification of website of Johnson Controls, it is found that in 2005, Johnson Controls have acquired York International (copy attached for reference). Hence, York International does not exists anymore.

प्रस्तुत है।

Submitted please.

20/07/2021 3:09 PM

NANDKUMAR BAPURAO KUNDALE
(AGM(E-E)-WR)

Note No. #34

Refer pre-page noting.

In view of above clarifications/ reply and considering essential requirement of CNS Equipment it is once again recommended to issue FC for accord of AA& ES.

20/07/2021 4:37 PM

SUNIL KUNDALIK WAGHMARE
(JGM(E-E)-WR)

Note No. #35

पूर्व के टिप्पणियों का संदर्भ-

सहायक दस्तावेज के अनुसार यह समझा जाता है कि इंजीनियरिंग निदेशालय, डब्ल्यूआर उक्त उपकरण के एएमसी के लिए पहले खुली निविदा के लिए गया है। साथ ही संबंधित प्रश्नों का उत्तर दिया जाता है। जैसा कि सिफारिश की गई है, प्रस्ताव परिचालन आवश्यकता होने के कारण, जीएम (इंजीनियरिंग), डब्ल्यूआर के अनुमोदन (ए एंड ईएस) के लिए वित्तीय रूप से सहमति है।

Reference to the notes ante-

As per the supportive document it is understood that the Engg dte., WR has gone for open tender earlier towards the AMC of the said equipment. Also the concerned queries are replied. As recommended, the proposal being operational requirement, is financially concurred for accord of approval (AA&ES) of GM(Engg),WR.

GM(Engg),WR

26/07/2021 4:27 PM

SATYAJIT LAI
(JGM(FIN)-WR)

Note No. #36

Approved as proposed

26/07/2021 4:50 PM

एस के गुप्ता | S K GUPTA
(महाप्रबंधक (इंजी-सिविल/विद्युत)-प.क्ष.) | GM(E-C)-WR)

Note No. #37

Approval from Competent Authority has been accorded. May take further action at the earliest.

26/07/2021 4:55 PM

SUNIL KUNDALIK WAGHMARE
(JGM(E-E)-WR)

Note No. #38

उपरोक्त नोटिंग देखे।

Reference to the Noting above.

नोट # 36 के माध्यम से उपरोक्त कार्य के लिए रु.12,72,179/- (रुपए बारह लाख बहतर हजार एक सौ उनहतर मात्र) (जीएसटी

अतिरिक्त) की राशि के लिए सक्षम प्राधिकारी द्वारा प्रशासनिक स्वीकृति एवं व्यय मंजूरी प्रदान की है।

Competent Authority vide Note # 36 has accorded the A/A & E/S amounting to Rs.12,72,179/- (Rupees Twelve lakhs seventy two thousand one hundred seventy nine only) Plus GST for the above work.

तकनीकी स्वीकृति हेतु विस्तृत प्राक्कलन एवं विस्तृत तकनीकी विनिर्देशों के साथ मसौदा निविदा सूचना सक्षम प्राधिकारी के अनुमोदन के लिए प्रस्तुत करें।

Put up the detailed estimate for accord of Technical Sanction and Draft NIT with detailed Technical Specifications for approval of Competent Authority.

28/07/2021 9:19 AM

NANDKUMAR BAPURAO KUNDALE
(AGM(E-E)-WR)

Note No. #39

04/10/2021 5:22 PM

AKSHAY CHHABILAL BADOLE
(MGR(E-E)-WR)

Note No. #40

Refer to above noting.

Existing package ACs provided for VCCS System and DVR system at Level-19 were installed during 2012 by MIAL, which are approx. 10 years old. The bodies of outdoor units are corroded and indoor units are also developed repeated faults. Hence, even though AC units have not outlived their useful life and since these ACs are providing air cooling to very critical equipment which are directly related to voice communication of ATC & pilot, proposal has been initiated earlier for replacement of existing 12.5TR packaged AC units with 12.5 TR new precision AC units.

Accordingly, A/A & E/S amounting to Rs. 16,28,400/- (Rupees Sixteen Lakh Twenty Eight Thousand Four Hundred only) including Labour Cess @1%, Contingencies @3% and GST @28% has been accorded of by Competent Authority.

However, during the site visit dated 13.08.2021, 20.12.2021 & 26.12.2021 by OEMs and other vendor's expertise in air-conditioning, it was informed that as per the area and equipment load, 10 TR precision AC is sufficient to cater the air-conditioning to the equipment room. Accordingly, firms have been requested to submit the Heat load design along with Budgetary offer as per the heat load requirements.

Firms vide vide e-mail dated 22.09.2021 & 06/07.01.2022 had submitted heat load design along with budgetary offer. As per the offers received from the firms, the estimate works out to be Rs. 20,20,900/- which is more than 10% variation limit over approved A/A & E/S, which entails the requirement of revise A/A & E/S by Competent Authority.

Vide e-mail dated 10.01.2022 clarification has been sought from the agency, M/s. Aqua Cool Pvt. Ltd. regarding increase in the prices of latest offer compared to earlier offer. Firm vide e-mail dated 20.01.2022 has intimated that due to Covid-19 impact the air-conditioning prices are increased drastically for the last one year. Accordingly, prices have been revised by OEMs resulting to increase of rates in the submitted offer.

Accordingly, preliminary estimate amounting to Rs. 20,20,900/- (Rupees Twenty Lakh Twenty Thousand and Nine Hundred only) including Labour cess @1%, Contingencies @3% and GST @28%/18% as applicable has been prepared for accord of revised A/A & E/S and TS by Competent Authority.

In Approved Capital Expenditure budget BE 2021-22 Rs. 10 Lakhs has been earmarked & in RE 2021-22 for RHQ (WR).

Mumbai fund of Rs. 15 lakh at Sr. No. 03 is available for the above subject work.

As per DOP Para 8.1, GM (Engg-E), WR is Competent Authority for accord of AA & ES.

Submitted for accord of AA & ES from Competent Authority please.

24/01/2022 7:01 PM

**V ANIL KUMAR YADAV
(MGR(E-E)-WR)**

Note No. #41

उपरोक्त नोटिंग देखे।

Reference to the Noting above.

जैसा कि ऊपर बताया गया है, तकनीकी स्वीकृति के लिए (सहायक ताप भार गणना के साथ) विस्तृत प्राक्कलन तैयार करते समय, प्राक्कलन रु.20,20,900/- का पाया गया है, जोकि अनुमोदित प्रशासनिक अनुमोदन एवं व्यय मंजूरी के 10% भिन्नता सीमा से अधिक है, जिसकी वजह से सक्षम प्राधिकारी द्वारा संशोधित प्रशासनिक अनुमोदन एवं व्यय मंजूरी की आवश्यकता है।

As brought out above, while preparing the Detailed Estimate (with supporting heat load calculation) for accord of Technical Sanction, the estimate works out to be Rs. 20,20,900/- which is more than 10% variation limit over approved A/A & E/S, which entails the requirement of revised A/A & E/S by Competent Authority.

इसलिए, रु.20,20,900/- के विस्तृत अनुमान को सक्षम प्राधिकारी द्वारा संशोधित प्रशासनिक अनुमोदन एवं व्यय मंजूरी हेतु सिफारिश की जाती है।

Therefore, the detailed estimate amounting to Rs. 20,20,900/- is recommended for accord of revised A/A & E/S by Competent Authority.

डीओपी पैरा 8.1 के अनुसार, महाप्रबंधक (अभि.) – पश्चिमी क्षेत्र संशोधित प्रशासनिक अनुमोदन एवं व्यय मंजूरी के लिए सक्षम प्राधिकारी है।

As per DOP Para 8.1, GM (Engg.) - WR is the Competent Authority for accord of revised A/A & E/S.

सक्षम प्राधिकारी द्वारा संशोधित प्रशासनिक अनुमोदन एवं व्यय मंजूरी के लिए प्रस्तुत है।

Submitted for accord of revised A/A & E/S by Competent Authority.

25/01/2022 9:36 AM

**NANDKUMAR BAPURAO KUNDALE
(AGM(E-E)-WR)**

Note No. #42

Reference may please be made to above note-40/41.

The AA&ES has been accorded for the subject work for Rs.16.28 lakh. The detailed estimate cost has been increased to above 10% of AA&ES amount due to revision of prices of AC units. Hence the proposal is recommended for revised AA&ES for the amount of Rs. 20.21 Lakh.

The GM(Engg.),WR is the competent authority to accord AA&ES as per DOP 8.1.

Submitted please.

25/01/2022 1:43 PM

S R JAGADESAN
(JGM(E-E)-WR)

Note No. #43

Submitted for accord of financial concurrence please

25/01/2022 6:49 PM

एस के गुप्ता | S K GUPTA
(महाप्रबंधक (इंजी-सिविल)-प.क्षे.) | GM(E-C)-WR

Note No. #44

27/01/2022 9:48 AM

L KUPPULINGAM
(GM(FIN)-WR)

Note No. #45

27/01/2022 10:42 AM

SATYAJIT LAI
(JGM(FIN)-WR)

Note No. #46

27/01/2022 11:20 AM

RAMA D PAWAR
(AGM(FIN)-WR)

Note No. #47

Reference to Note ante.

In-principle approval of RED, WR may please be attached in the file.

The file name has different name of work as compared to Estimate now submitted for Revised AA&ES, Engg Dept is requested to make the necessary changes to avoid future ambiguity.

01/02/2022 3:23 PM

RAMA D PAWAR
(AGM(FIN)-WR)**Note No. #48**

उपरोक्त नोटिंग देखे।

Reference to the Noting above.

बिंदुवार जवाब निम्नानुसार है:

The point wise reply is as below:

1. In-principle approval of RED, WR may please be attached in the file.

REPLY : As per DoP-2021 Amendment No.1 circulated vide CHQ letter No. AAI/CHQ/F&A/Amendment/2021-22/302-342 dtd.05.01.2022, modified para 1.26 reads as "All GMs, Jt. GMs, DGMs, AGMs / SMs posted at any of the RHQs/Airports/Stations/Units (of any category) shall exercise powers as indicated in various chapters of the DoP. However, **In-principle approval shall be accorded by REDs/ APDs of any Grade/any other Unit Head In-charge, for works / schemes not covered in approved budget / action plan**". Instant work / scheme is covered in Capital Budget BE 2021-22 at Sl. No. 3 with fund provision of Rs.0.01 Crore. (Fund Centre – F120601000404). In view of above, In-principle approval of RED is not envisaged.

2. The file name has different name of work as compared to Estimate now submitted for Revised AA&ES, Engg Dept is requested to make the necessary changes to avoid future ambiguity.

REPLY: Initially, the proposal was put up for accord of A/A & E/S with name of work as "Replacement of existing 12.5TR (43.96kW) Packaged Air Conditioning Unit with New Precision AC units of equivalent capacity (12.5TR) in CNS Equipment & Automation unit room at Level 19 of ATC Sky Tower Mumbai." However, while preparation of detailed estimate, based on the Heat Load Calculation submitted by the agencies for capacity determination of the PAC, it is observed that instead of 12.5TR AC units only 10.5TR AC units are required. In order to avoid any misleading information being presented to participating agencies during tendering, the name of work has now been corrected as "Replacement of existing Packaged Air Conditioning Unit with New Precision AC units in CNS Equipment & Automation unit room at Level 19 of ATC Sky Tower Mumbai." However, concern of Finance Dept. has been noted.

उपरोक्त को ध्यान में रखते हुए, जल्द से जल्द वित्तीय सहमति प्रदान करने का अनुरोध है।

In view of above, FC may be accorded at the earliest.

01/02/2022 4:56 PM

NANDKUMAR BAPURAO KUNDALE
(AGM(E-E)-WR)**Note No. #49**

Reference to Note ante.

The proposed Scheme is not listed / Budgeted in the approved budget under any specific fund centre. Further the Scheme is also not covered under any Action Plan approved by RED, WR.

Engg Dept has proposed to take up the work out of Lumpsum budget provision made under Fund Centre F120601000404 in RHQ SCHEMES.

In order to utilize the Lumpsum provision of RHQ Schemes for the proposed work in-principle approval is required from RED, WR under DOP para 1.26 as the work is not covered in approved budget/ Action Plan, before processing for Financial Concurrence.

02/02/2022 12:28 PM

RAMA D PAWAR
(AGM(FIN)-WR)**Note No. #50**

उपरोक्त नोटिंग देखे।

Reference to the Noting above.

Existing package ACs provided for VCCS System and DWTTR system at Level-19 were installed during 2012 by MIAL, which are approx. 10 years old. The bodies of outdoor units are corroded and indoor units are also developed repeated faults. Hence, even though AC units have not outlived their useful life and since these ACs are providing air cooling to very critical equipment which are directly related to voice communication of ATC & pilot, proposal has been initiated earlier for replacement of existing 12.5TR packaged AC units with 12.5 TR new precision AC units.

Accordingly, A/A & E/S amounting to Rs. 16,28,400/- (Rupees Sixteen Lakh Twenty Eight Thousand Four Hundred only) including Labour Cess @1%, Contingencies @3% and GST @28% has been accorded of by Competent Authority.

While preparing the Detailed Estimate (with supporting heat load calculation) for accord of Technical Sanction, the estimate worked out to be Rs. 20,20,900/- which is more than 10% variation limit over approved A/A & E/S, which entails the requirement of revised A/A & E/S by Competent Authority.

As per DOP Para 8.1, GM (Engg.) - WR is the Competent Authority for accord of revised A/A & E/S.

As per DoP-2021 Amendment No.1 circulated vide CHQ letter dtd.05.01.2022, "In-principle approval shall be accorded by REDs/ APDs of any Grade/any other Unit Head In-charge, for works / schemes not covered in approved budget / action plan". Instant work / scheme is covered in Capital Budget BE 2021-22 at Sl. No. 3 with fund provision of Rs.0.01 Crore. (Fund Centre – F120601000404).

In Para 2 & 3 of Note # 49 of RAU-WR, it has been recorded that the work has been taken up out of Lumpsum budget provision made under Fund Centre F120601000404 in RHQ SCHEMES and in order to utilize the Lumpsum provision of RHQ Schemes for the proposed work in-principle approval is required from RED, WR under DOP para 1.26 as the work is not covered in approved budget/ Action Plan, before processing for Financial Concurrence.

In view of above, it is recommended to submit the e-file for In-Principle approval of RED-WR, Mumbai as per DOP Para 1.26, for taking up the work of "Replacement of existing Packaged Air Conditioning Unit with New Precision AC units in CNS Equipment & Automation unit room at Level 19 of ATC Sky Tower Mumbai."

08/02/2022 2:53 PM

NANDKUMAR BAPURAO KUNDALE
(AGM(E-E)-WR)**Note No. #51**

Reference may please be made to above Note.

The proposal is recommended for In Principle approval of RED,WR as per DOP 1.26.

08/02/2022 3:51 PM

S R JAGADESAN
(JGM(E-E)-WR)**Note No. #52**

Refer on-going notes.

The said proposal is recommended for in-principle approval of RED, WR as per DOP Para 1.26.

Submitted please.

K.M. Noorjahan
Offtg. GM(Engg.), WR

08/02/2022 4:16 PM

K M NOORJAHAN
(JGM(E-E)-WR)

Note No. #53

यथा प्रस्तावित।

08/02/2022 5:10 PM

J T RADHAKRISHNA
(RED-WR)

Note No. #54

08/02/2022 5:23 PM

K M NOORJAHAN
(JGM(E-E)-WR)

Note No. #55

08/02/2022 5:28 PM

S R JAGADESAN
(JGM(E-E)-WR)

Note No. #56

उपरोक्त नोटिंग देखे।

Reference to the Noting above.

नोट # 53 के माध्यम से "एटीसी स्काई टॉवर, मुंबई के 19 वे तल पर सीएनएस उपकरण और स्वचालन इकाई कक्ष में नए प्रिसिजन एसी इकाइयों के साथ मौजूदा पैकेज्ड एयर कंडीशनिंग यूनिट के प्रतिस्थापन" योजना के लिए सक्षम प्राधिकारी द्वारा सैद्धांतिक अनुमोदन प्रदान किया गया है।

Competent Authority vide Note # 53 has accorded the In-Principle approval for the scheme "Replacement of existing Packaged Air Conditioning Unit with New Precision AC units in CNS Equipment & Automation unit room at Level 19 of ATC Sky Tower Mumbai."

उपरोक्त को ध्यान में रखते हुए, संशोधित प्रशासनिक अनुमोदन एवं व्यय मंजूरी हेतु जल्द से जल्द वित्तीय सहमति प्रदान करने का अनुरोध है।

In view of above, FC may be accorded for revised A/A & E/S at the earliest.

09/02/2022 9:31 AM

NANDKUMAR BAPURAO KUNDALE
(AGM(E-E)-WR)

Note No. #57

09/02/2022 10:42 AM

RAMA D PAWAR
(AGM(FIN)-WR)

Note No. #58

कृपया पिछले पृष्ठ पर स्थित टिप्पणीयोंका अवलोकन करें -

1. The proposal is for accord of Revised AA & ES for the work "Replacement of existing 12.5TR (43.96kW) Packaged Air Conditioning Unit with New Precision AC units of equivalent capacity (12.5TR) in CNS Equipment & Automation unit room at Level 19 of ATC Sky Tower Mumbai." The revised estimated cost of work is Rs.20,20,900.00 i/c. 1% Labour Cess, 3% Contingency & GST with the revised name of work as "Replacement of existing Packaged Air Conditioning Unit with New Precision AC units in CNS Equipment & Automation unit room at Level 19 of ATC Sky Tower Mumbai."

2. As per Engg Dept Financial Concurrence for AA&ES was already accorded vide Note 35, However, during the site visit dated 13.08.2021, 20.12.2021 & 26.12.2021 by OEMs and other vendor's expertise in air-conditioning, it was informed that as per the area and equipment load, 10 TR precision AC is sufficient to cater the air-conditioning to the equipment room. Accordingly, firms have been requested to submit the Heat load design along with Budgetary offer as per the heat load requirements. Firms vide vide e-mail dated 22.09.2021 & 06/07.01.2022 had submitted heat load design along with budgetary offer. As per the offers received from the firms, the estimate works out to be Rs. 20,20,900/- which is more than 10% variation limit over approved A/A & E/S, which entails the requirement of revise A/A & E/S by Competent Authority.

3. As per Engg Dept due to Covid-19 impact the air-conditioning prices are increased drastically for the last one year. Accordingly, prices have been revised by OEMs resulting to increase of rates.

4. In-principle approval for the above work has been accorded by RED, WR vide note

5. As per Engg. Dept. In Approved Capital Expenditure budget BE 2021-22 Rs.1 Lakhs has been earmarked & in proposed RE 2021-22 for RHQ (WR), Mumbai fund of Rs. 15 lakh at Sr. No. 03 is available for the above subject work under Fund Centre F120601000404.

6. As per D.O.P. para 8.1(a), GM (Engg) WR is the Competent Authority to accord AA & ES.

In view of the above we may accord Financial Concurrence for accord of Revised AA & ES. for Rs.20,20,900.00 (Rupees Twenty Lakh Twenty Thousand Nine Hundred Only) i/c. 1% Labour Cess, 3% Contingency & GST for the work "Replacement of existing Packaged Air Conditioning Unit with New Precision AC units in CNS Equipment & Automation unit room at Level 19 of ATC Sky Tower Mumbai."

अनुमोदन हेतु प्रस्तुत

11/02/2022 1:19 PM

SUDHAKAR YADAV
(JE(FIN)-WR)

Note No. #59

Reference notes ante.

AA&ES already accorded for Rs.12,72,179/- vide Note-35 above for the work "Replacement of existing 12.5TR (43.96kW) Packaged Air Conditioning Unit with New Precision AC units of equivalent capacity (12.5TR) in CNS Equipment & Automation unit room at Level 19 of ATC Sky Tower Mumbai". Engg Deptt has now forwarded the proposal for revised AA & ES for the change in name i.e. "Replacement of existing Packaged Air Conditioning Unit with New Precision AC units in CNS Equipment & Automation unit room at Level 19 of ATC Sky Tower Mumbai" as per Technical requirement.

In view of above and on the recommendation of Jt GM (E-E) WR the proposal may be financially concurred for Rs.20,20,900/- (i/c GST)(Rupees Twenty lakhs Twenty thousand nine hundred only) for accord of Revised A/A & E/S for the work "Replacement of existing Packaged Air Conditioning Unit with New Precision AC units in CNS Equipment & Automation unit room at Level 19 of ATC Sky Tower Mumbai" under DOP para 8.1 where GM(Engg) WR, is the Competent Authority, subject to:-

- i. Engg Deptt may ensure Inclusion of this work in Commitment Budget 2021-22 after receipt of approved Commitment Budget 2021-22 from CHQ.
- ii. Necessary Budget Provision may please be ensured before incurring the expenditure.
- iii. Survey report of the dismantled items, if any may be submitted

Submitted please.

14/02/2022 12:33 PM

RAMA D PAWAR
(AGM(FIN)-WR)

Note No. #60

As recommended by Engg dte.,WR, the proposal being operational requirement, is financially concurred for Rs.20,20,900/- (i/c GST) for accord of approval of Revised AA&ES by GM(Engg),WR.

GM(Engg),WR

15/02/2022 11:51 AM

SATYAJIT LAI
(JGM(FIN)-WR)

Note No. #61

Please speak

15/02/2022 12:07 PM

एस के गुप्ता | **S K GUPTA**
(महाप्रबंधक (इंजी-सिविल)-प.क्ष.) | **GM(E-C)-WR**

Note No. #62

15/02/2022 12:38 PM

S R JAGADESAN
(JGM(E-E)-WR)

Note No. #63

उपरोक्त नोटिंग देखे।

Reference to the Noting above.

नोट # 53 के माध्यम से "एटीसी स्काई टॉवर, मुंबई के 19 वे तल पर सीएनएस उपकरण और स्वचालन इकाई कक्ष में नए प्रिसिजन एसी इकाइयों के साथ मौजूदा पैकेज्ड एयर कंडीशनिंग यूनिट के प्रतिस्थापन" योजना के लिए सक्षम प्राधिकारी द्वारा सैद्धांतिक अनुमोदन प्रदान किया गया है।

Competent Authority vide Note # 53 has accorded the In-Principle approval for the scheme "Replacement of existing Packaged Air Conditioning Unit with New Precision AC units in CNS Equipment & Automation unit room at Level 19 of ATC Sky Tower Mumbai."

क्षेत्रीय लेखा इकाई द्वारा दिनांक 15.02.2022 के नोट # 60 के माध्यम से वित्तीय सहमति प्रदान की गई है।

Financial concurrence has been accorded by RAU vide Note # 60 dtd.15.02.2022.

डीओपी पैरा 8.1 के अनुसार, संशोधित प्रशासनिक अनुमोदन एवं व्यय मंजूरी के लिए महाप्रबंधक (अभि.) - पश्चिमी क्षेत्र, सक्षम प्राधिकारी है।

As per DOP Para 8.1, GM (Engg.) - WR is the Competent Authority for accord of revised A/A & E/S.

उपरोक्त को ध्यान में रखते हुए, सक्षम प्राधिकारी द्वारा संशोधित प्रशासनिक अनुमोदन एवं व्यय मंजूरी हेतु केस फाइल प्रस्तुत है।

In view of above, case file is submitted for accord of revised A/A & E/S by the Competent Authority.

16/02/2022 2:38 PM

NANDKUMAR BAPURAO KUNDALE
(AGM(E-E)-WR)**Note No. #64**

Reference may please be made to the discussion had with GM(Engg.) on 15.02.22.

The proposal is financially concurred for Rs.20,20,900/- by RAU.

GM(Engg.) is the competent authority for accord of AA&ES as per DOP 8.1.

Submitted for AA&ES please.

16/02/2022 3:50 PM

S R JAGADESAN
(JGM(E-E)-WR)**Note No. #65**

Approved as proposed

18/02/2022 12:38 PM

एस के गुप्ता | S K GUPTA
(महाप्रबंधक (इंजी-सिविल)-प.क्ष.) | GM(E-C)-WR**Note No. #66**

18/02/2022 12:40 PM

S R JAGADESAN
(JGM(E-E)-WR)**Note No. #67**

उपरोक्त नोटिंग देखे।

Reference to the Noting above.

नोट # 65 के माध्यम से "एटीसी स्काई टॉवर, मुंबई के 19 वे तल पर सीएनएस उपकरण और स्वचालन इकाई कक्ष में नए प्रिसिजन एसी इकाइयों के साथ मौजूदा पैकेज्ड एयर कंडीशनिंग यूनिट के प्रतिस्थापन" योजना हेतु रु.20,20,900/- (जीएसटी सहित) की राशि के लिए सक्षम प्राधिकारी द्वारा संशोधित प्रशासनिक अनुमोदन एवं व्यय मंजूरी प्रदान की गई है।

Competent Authority vide Note # 65 has accorded revised A/A & E/S for the scheme "Replacement of existing Packaged Air Conditioning Unit with New Precision AC units in CNS Equipment & Automation unit room at Level 19 of ATC Sky Tower Mumbai" for an amount of Rs.20,20,900/- (i/c GST).

विस्तृत प्राक्कलन और डीएनआईटी अनुमोदन हेतु प्रस्तुत करें।

Put up the detailed estimate and DNIT for approval.

18/02/2022 1:33 PM

NANDKUMAR BAPURAO KUNDALE
(AGM(E-E)-WR)

Note No. #68

MEMO FORWARDING "E-TENDERS" TO HIGHER AUTHORITIES

(टेण्डर आई.डी. क्र. / Tender ID No. : 2022_AAI_106096_1)

1. **कार्य का नाम** : एटीसी स्काई टावर मुंबई के लेवल 19 पर सीएनएस इक्विपमेंट एंड ऑटोमेशन
Name of Work यूनिट रूम में मौजूदा पैकेज्ड एयर कंडीशनिंग यूनिट को नई प्रेसिजन एसी यूनिट से बदलना
 Replacement of existing Packaged Air Conditioning Unit with New Precision AC units in CNS Equipment & Automation unit room at Level 19 of ATC Sky Tower Mumbai
2. **ए.ए. एंड ई.एस. का संदर्भ**
Reference to AA & ES
- (i) क्रमांक एवं दिनांक : महाप्रबंधक इंजी से अनुमोदन, दिनांक 18.02.2022 नोट 65।
 No. & Date
- (ii) राशि : रु. 20,20,900.00 लाख जीएसटी के सहित
 Amount
- (iii) वर्तमान संविदा को : रु. 20,20,900.00 लाख जीएसटी के सहित
 मिलाकर कार्य के लिये उपलब्ध आनुपातिक राशि
 Proportionate amount available for the work included in the present tender
3. **तकनीकी स्वीकृति का संदर्भ**
REF. TO TECH. SANCTION
- (i) क्रमांक एवं दिनांक : भाविप्रा/क्षे.मु.-प.क्षे./ सहायक महाप्रबंधक(अभि.-वि.)/ तक.स्वी.-2/2021-22
 दिनांक: 21.02.2022
 No. & Date
- (ii) राशि : रु.20.21 लाख जीएसटी के सहित
 Amount
4. **उस कार्य का कार्यक्षेत्र जिसके लिये संविदा का बुलावा हुआ,** : प्रेसिजन एयर कंडीशन का एसआयटीसी कार्य अनुबंध।
 : SITC of Precision Air-conditioning

Scope of work for
which tenders
have been called
for, clearly
indicating the
items omitted from
the sanctioned
estimate.

5. निविदा सूचना के अनुमोदन का संदर्भ

REFERENCE TO APPROVAL OF E-N.I.T.

- (i) प्राधिकृत अधिकारी : सहा. महाप्रबंधक (अभि.-वि.), भाविप्रा, क्षे.मु.-प.क्षे., मुंबई
Authority Asst. Gen. Manager (E-E), AAI, RHQ-WR, Mumbai.
- (ii) क्रमांक एवं दिनांक : भाविप्रा/परि-कार्या/मुंबई/संमप्र-अभि-वि/एनआईटी-05/2021-22/211 dated
No. & 21.02.2022
Date

- (iii) निविदा में डालने : रु. 15.76 लाख और जीएसटी अतिरिक्त
हेतु अनुमानित
राशि
Estimate amount
put to tender

6. प्रचार का संदर्भ/

REFERENCE TO PUBLICITY

- (i) सूचना फलक में दिनांक: 21.02.2022
निविदा आमंत्रण
लगाने की तारीख
Date on which
notice inviting
tender was placed
on notice board
- (ii) अन्य अधिकारियों दिनांक: 21.02.2022
को प्रचालित होने की
तारीख
Date on which it
was circulated to
other
offices
- (iii) समाचार पत्र का : लागू नहीं / Not Applicable
नाम (दिनांक के
साथ) जिसमें
निविदा सूचना
वास्तविक रूप से

प्रकाशित की गई
थी

Name of
Newspapers (with
dates) in which
the notice inviting
tender was
actually
advertised

(iv) भाविप्रा के: दिनांक: 21.02.2022

एनआईसी-सीपीपी
पोर्टल में प्रकाशित
ई-निविदा की तारीख

Date on which
NIC-CPP Portal
Published on
AAI's e-Portal

7. निविदा ओपनिंग

/

TENDER OPENING

(i) निविदा शुल्क,: 14.03.2022 upto 18.00 Hrs

ई.एम.डी., तकनीकी
बोली एवं पूर्व-
योग्यता और वित्तीय
बोली/ मूल्य बोली
(अर्थात् लिफाफा - I
& II) के ऑनलाईन
आवेदन की अंतिम
तिथि एवं समय

Last date & time
of online
submission of
Tender Fee, EMD,
Technical Bid and
Pre-qualification &
Financial/Price Bid
(i.e. Envelope -I &
II) for tender

(ii) आगे बढ़ाने की : 21.03.2022, upto 18.00 Hrs. & 28.03.2022, upto 18.00 Hrs. (Auto extended
तारीख एवं समय by CPP portal)

Postponed date &
time, if any

(iii) आगे बढ़ाने का : Due to non-receipt of minimum bids required for opening the tender.

कारण

Reasons for

postponement

(iv) निविदा को आगे : Corrigendum 1 & 2 auto generated by CPP portal.

बढ़ाने हेतु प्रकाशन
का संदर्भ

Reference to
publicity in regard
to postponement
of tenders

8. ऑनलाईन निविदा : दिनांक: 28.03.2022, upto 18.00 Hrs.

दस्तावेज विक्रय की
अंतिम तारीख एवं
समय

Last date & time
of online sale of
Tender Document

9. उन ठेकेदारों की : निम्नानुसार / As follows.

जानकारी जिन्होंने
ऑनलाईन निविदा
और निविदा शुल्क,
ई.एम.डी., खरीदा है

Details of
contractors who
submitted online
tender & hard
copies of DD
against tender fee
& EMD.

क्रमांक क S.N.	ठेकेदार का नाम Name of Contractor	ऑनलाईन जमा की तारीख Date of Online Submission
1	मेसर्स स्नोमेक्स इंजीनियर्स लिमिटेड / M/s. SNOWMEX ENGINEERS LIMITED	14.03.2022

10 निविदा ओपनिंग (लिफाफा - I, II)

. OPENING OF TENDERS (Envelope-I, II)

(i) निविदा शुल्क, : दिनांक: 30.03.2022 at 12:00 hrs.

ई.एम.डी.,
तकनीकी बोली एवं
पूर्व-योग्यता
(लिफाफा-I) खुलने
की तिथि Tender
Fee, EMD,

Technical Bid
and Pre-
qualification
(Envelope-I)
opening Date

(ii) लिफाफा-I खुलने : निम्नानुसार / As below

के पश्चात ठेकेदार

की स्थिति

Status of
contractors after
opening of
Envelope-I.

क्र मां क S. N.	ठेकेदार का नाम Name of Contractor	(पात्र / अपात्र) Eligible / not eligible	स्थिति Status
1	मेसर्स स्नोमेक्स इंजीनियर्स लिमिटेड / M/s. SNOWMEX ENGINEERS LIMITED	पात्र / Eligible	मेसर्स स्नोमेक्स इंजीनियर्स लिमिटेड का निविदा शुल्क, ई.एम.डी., तकनीकी बोली एवं पूर्व-योग्यता (लिफाफा-I) स्वीकार की गई और वित्तीय (अर्थात् लिफाफा-II) ओपनिंग में पात्र है। Tender Fee, EMD, Technical Bid and Pre-qualification (Envelope-I) of M/s. SNOWMEX ENGINEERS LIMITED are acceptable and eligible for Financial Bid (i.e. Envelope-II) opening.

(v) वित्तीय/ मूल्यबोली: दिनांक: 08.04.2022 16:00 hrs.

(अर्थात् लिफाफा-II)

ओपनिंग की

तारीख

Financial/ Price

Bid (Envelope-II)

opening Date

(vi) अधिकारी का : 1. श्री नंदकुमार बा. कुंडले, सहा.मप्र (अभि-वि) - nandkk@aai.aero

) नाम/ पदनाम : 2. श्री सुनील शिंदे, वरिष्ठ प्रबंधक (वित्त) -

जिन्होंने वास्तविक sunilshinde@aai.aero

रूप से वित्तीय/

मूल्य बोली खोला

Name &

designation of

officers who

actually opened

the Financial /

Price Bid

(vii) वित्तीय/ मूल्य : ऑनलाइन बिड / Online Bid

) बोली के समय
उपस्थित ठेकेदारों
का नाम
Name of
contractors
present at the
time of opening
of Financial /
Price Bid

(vii) उपस्थित किसी : ऑनलाइन बिड / Online Bid

i) अन्य व्यक्ति का
नाम एवं पदनाम
Name and
designation of
any other person
present

11 वित्तीय/ मूल्य बोली के पश्चात् निविदा की स्थिति

· POSITIONS OF TENDERS AFTER OPENING OF FINANCIAL / PRICE BID

क्र मां क S. N.	ठेकेदार का नाम Name of Contractor	निविदा राशि/ प्रतिशत ज्यादा/ कम अनुमानित राशि Tendered Amount / Percentage above / Below Estimated Cost.	Net Tendered amount or % after taking into consideration the financial effect of conditions शुद्ध निविदा राशि या शर्तों के वित्तीय प्रभाव को ध्यान में लेने पर प्रतिशत
1	मेसर्स स्नोमेक्स इंजीनियर्स लिमिटेड / M/ s. SNOWMEX ENGINEERS LIMITED	Rs. 15,19,850.00 (Quoted rate excluding GST)	अनुमानित लागत 3.59% नीचे / उचित लागत से 4.54% नीचे (L-1) 3.59% below Estimated cost / 4.54% Below justified cost (L-1)

12. के द्वारा किया गया उचित प्रतिशत

Justified percentage as worked out by

- (i) प्रबंधक (अभि.-वि.) / Manager (E-E) : संलग्न / Enclosed
- (ii) सहा.महाप्रबंधक(अभि.-वि.) / AGM (E-E) : संलग्न / Enclosed

- (iii) उपमहाप्रबंधक(अभि.)/ सं.महाप्रबंधक(अभि.) : लागू नहीं / Not Applicable
Dy.General Manager (Engg) / Jt.General Manager (Engg)
- 13. निविदा की वैधता समाप्त होने की तारीख** : वित्तीय/ मूल्य बोली के खुलने से
Date on which validity of tenders expires 90 दिन अर्थात 06.07.2022
90 days from the date of opening of financial / price bid, i.e. 06.07.2022
- 14. प्रबंधक(अभि-वि) की टिप्पणी एवं अनुशंसा** :
Remarks and recommendations of the Manager (E-E)
- (i) कार्यस्थल की उपलब्धता : उपलब्ध / Available
Availability of site
- (ii) अनुबंधित सामग्री की उपलब्धता : लागू नहीं / Not Applicable
Availability of stipulated materials
- (iii) अभिन्यास नक्शे का अनुमोदन : लागू नहीं / Not Applicable
Approval to layout plans
- (iv) स्थानीय निकाय से इमारत, योजनाओं, निकासी के लिये अनुमोदन : लागू नहीं / Not Applicable
Approval to buildings, plans, clearance from Local Body
- (v) उनके वित्तीय और तकनीकी संसाधनों सहित तीन सबसे कम निविदाओं की क्षमताओं की टिप्पणी : लागू नहीं / Not Applicable
Comments on capabilities of three lowest tenders including their financial and technical resources
- (vi) तीन निम्नतम निविदाओं के साथ कार्यों की सूची में दर्शाये गया कार्य का नाम, निविदा राशि, प्रारंभ दिनांक, निर्धारित अवधि, प्रगति और टिप्पणियाँ : लागू नहीं / Not Applicable
List of works in hand with three lowest tenderers indicating the name of work, tendered amount, date of start, stipulated period, progress made and remarks.
- (vii) क्या यह निविदा के लिये पहला बुलावा है? यदि नहीं तो पिछले बुलावा एवं परिणामों का ब्यौरा : हाँ / Yes
Is this the first call of tenders? If not, details of previous calls & results.
- (ix) निविदा पर टिप्पणी : निम्नानुसार / As follows.
Comments on the tender
- (a) ऑनलाईन निविदा की विक्री की संख्या : एक (1) / One (1)
No. of online sale of tender
- (b) निविदा शुल्क, ई.एम.डी., तकनीकी बोली एवं पूर्व-योग्यता (लिफाफा-I) की संख्या : एक (1) / One (1)
Tender Fee, EMD, Technical Bid and Pre-qualification (Envelope-I) Received

(f) वित्तीय/ मूल्य बोली (लिफाफा-II) के लिये स्वीकार्य निविदा शुल्क,: एक (1) / One (1)

ई.एम.डी., तकनीकी बोली एवं पूर्व-योग्यता (लिफाफा-I) की संख्या

No. of Tender Fee, EMD, Technical Bid and Pre-qualification

(Envelope-I) Accepted for Financial/ Price Bid (Envelope-II)

(g) प्राप्त वित्तीय/ मूल्य बोली (लिफाफा-II) की संख्या: एक (1) / One (1)

No. of Financial/ Price Bid (Envelope-II) received

(x) अनुशंसा / Recommendation

: निम्नानुसार / As follows.

फर्म द्वारा उद्धृत दरों के लिए तुलनात्मक विवरण तैयार किया है और संलग्न है। यह पाया गया है कि मेसर्स स्नोमेक्स इंजीनियर्स लिमिटेड का प्रस्ताव रु. 15,19,850.00 (जी.एस.टी. अतिरिक्त) न्यूनतम (L1) है, जो कि अनुमानित लागत रु. 15,76,376.50 (जी.एस.टी. अतिरिक्त) की 3.59% नीचे है। उचित लागत रु. 15,92,140.00 से 4.50% नीचे है। L1 द्वारा उद्धृत दर व्यावहारिक एवं उचित है।

Comparative statement is prepared and enclosed for the rates quoted by the firms. It is observed that the offer of M/s. SNOWMEX ENGINEERS LIMITED amounting to Rs. 15,19,850.00 (excluding GST) is the lowest, which is 3.59% below Estimated cost of Rs. 15,76,376.50 (excluding GST)/ 4.54% Below justified cost of Rs. 15,92,140.00 (excluding GST). The Quoted rates of L-1 are workable and reasonable.

डी.ओ.पी. के पैरा 8.8 (b) के अनुसार, संयुक्त महाप्रबंधक (अभि-वि) एकल निविदा स्वीकृति हेतु सक्षम प्राधिकारी है।

As per DOP para 8.8 (b), Jt.GM (Engg-E), WR is the Competent Authority for acceptance of single tender.

उपरोक्त को ध्यान में रखते हुए, मेसर्स स्नोमेक्स इंजीनियर्स लिमिटेड की एकल बोली रु.15,19,850.00 प्लस लागू जीएसटी वित्तीय सहमति के लिए की सिफारिश की जाती है। जीएसटी सहित कुल वित्तीय निहितार्थ रुपये 17,93,423.00 है। पूंजीगत व्यय बजट 2022-23 (विद्युत कार्य) के तहत क्रमांक 9 (एएनएस योजनाएं) में 10 लाख रुपये का फंड प्रावधान उपलब्ध है। । आरई 2022-23 में बैलेंस फंड सुनिश्चित और अनुमानित किया जाएगा।

In view of above, Single Bid of M/s SNOWMEX ENGINEERS LIMITED amounting to Rs. 15,19,850.00 plus applicable GST is recommended for accord of Financial concurrence. The total financial implication including GST is Rs. 19,15,423.00. Fund provision of Rs.10 Lakhs are available at Sr.No. 9 (ANS Schemes) in proposed Capital Expenditure Budget 2022-23 (electrical works). Balance fund shall be ensured and projected in RE 2022-23.

वित्तीय सहमति हेतु प्रस्तुत है / Submitted for accord of F.C. please.

संलग्नक :

1. [Budget Copy \(BE 2022-23\).](#)
2. [Copy of TS.](#)
3. [Copy of Draft NIT.](#)
4. [Corrigendum.](#)
5. [L-1 Bidder Pre-Qualification Documents .](#)
6. [Tender Scrutiny note.](#)
7. [Justification Statement.](#)
8. [BOQ of L-1 Bidder.](#)

9. [Comparative Statement.](#)

10. [Bid Opening Summary.](#)

11/04/2022 5:07 PM

V ANIL KUMAR YADAV
(MGR(E-E)-WR)

Note No. #69

ऊपर उल्लेखित नोट को देखें।

Refer notings above.

उपरोक्तानुसार, मैसर्स स्नोमेक्स इंजीनियर्स लिमिटेड, 3 एवं 4, जीवनदीप बिल्डिंग, 10, पार्लमैंट स्ट्रीट, नई दिल्ली द्वारा उद्धृत न्यूनतम बोली जोकि रु. 15,19,850.00 (लागू जी.एस.टी. अतिरिक्त) है, के पक्ष में वित्तीय सहमति हेतु अनुशंसा की जाती है। इस कार्य हेतु कुल वित्तीय निहितार्थ रु. 19,15,423.00 (लागू जी.एस.टी. @28%/18% सहित) है। इसलिए, मैसर्स स्नोमेक्स इंजीनियर्स लिमिटेड, नई दिल्ली के पक्ष में रु. 19,15,423.00 (लागू जी.एस.टी. @28% / 18% सहित) के लिए वित्तीय सहमति प्रदान की जाए।

In view of above, the lowest bid of M/s. Snowmex Engineers Limited, 3&4, Jeevandeep Bldg. 10, Parliament Street, New Delhi which is Rs.15,19,850.00 (plus applicable GST) is recommended for financial concurrence. The total financial implication is Rs.19,15,423.00 (including GST @28%/18%). Hence, financial concurrence amounting to Rs.19,15,423.00 (i/c GST @28%/18%) in favour of M/s. Snowmex Engineers Limited, New Delhi may be accorded.

उपरोक्त कार्य के लिए पूंजीगत बजेट BE 2022-23 में रु.10.00 लाख का प्रावधान अनु. क्र. 9 (ए एन एस स्कीम) पर उपलब्ध है तथा शेष राशि का प्रावधान RE 2022-23 में सुनिश्चित किया जाएगा।

The provision of Rs.10.00 Lakh is available at Sl. No. 9 under ANS Schemes in BE 2022-23 for the above work and balance fund will be ensured in RE 2022-23.

डी.ओ.पी. पैरा 8.8(b) के अनुसार, संयुक्त महाप्रबंधक (अभि.-वि.) एकल निविदा की स्वीकृति के लिए सक्षम प्राधिकारी है।

As per DOP Para 8.8(b), Jt. GM (E-E) is the Competent Authority for acceptance of single tender.

वित्तीय सहमति हेतु प्रस्तुत है।

Submitted for financial concurrence.

12/04/2022 11:52 AM

NANDKUMAR BAPURAO KUNDALE
(AGM(E-E)-WR)

Note No. #70

Reference may please be made to above note.

The FC may please be accorded.

12/04/2022 2:48 PM

S R JAGADESAN
(JGM(E-E)-WR)

Note No. #71

12/04/2022 3:14 PM

SATYAJIT LAI
(JGM(FIN)-WR)**Note No. #72**

12/04/2022 3:27 PM

RAMA D PAWAR
(AGM(FIN)-WR)**Note No. #73**

कृपया पिछले पृष्ठ पर स्थित टिप्पणीयोंका अवलोकन करें -

1. The proposal is for seeking Financial Concurrence in favour of L1 bidder M/s. Showmex Engineers Limited with quoted amount of Rs.15,19,850/- excluding GST which is 4.54% below the Justified Cost of Rs.15,92,140/- for the work "Replacement of existing 12.5TR (43.96kW) Packaged Air Conditioning Unit with New Precision AC units of equivalent capacity (12.5TR) in CNS Equipment & Automation unit room at Level 19 of ATC Sky Tower Mumbai."
2. AA & ES for the above work is accorded by the Competent Authority for Rs. 20,20,900/-.
3. The Technical Sanction for the same work is sanctioned by AGM (E-E) for Rs.20,20,900/- vide Technical Sanction No. 02 Dtd.21.02.2022.
4. As per Engg. Dept. there is a budgetary provision of Rs.10.00 lakh in BE2022-23 under the Fund Center No.120601000537 for the instant work.
5. As per D.O.P. para 7.6 (b), Jt. GM (E-E) is the Competent Authority to accept single tender.
6. In view of the above, the proposal may be considered for accord for Financial Concurrence in favour of L1 bidder M/s. Showmex Engineers with quoted amount of Rs.19,15,423/- (Rupees Nineteen Lakh Fifteen Thousand Four Hundred and Twenty Three Only) including GST for the work "Replacement of existing 12.5TR (43.96kW) Packaged Air Conditioning Unit with New Precision AC units of equivalent capacity (12.5TR) in CNS Equipment & Automation unit room at Level 19 of ATC Sky Tower Mumbai".

अनुमोदन हेतु प्रस्तुत

18/04/2022 4:23 PM

SUDHAKAR YADAV
(JE(FIN)-WR)

Note No. #74

Reference Notes ante.

In view of above, the proposal is financially concurred in favour of single bidder M/s Snowmex Engineers Ltd for quoted amount of Rs.15,19,850/- which works to Rs. 19,15,423/- (Rupees Nineteen lakhs fifteen thousand four hundred twenty three only) including 28% /18% GST for the work "Replacement of existing 12.5TR (43.96kW) Packaged Air Conditioning Unit with New Precision AC units of equivalent capacity (12.5TR) in CNS Equipment & Automation unit room at Level 19 of ATC Sky Tower Mumbai", under DOP para 7.6(b) where Jt GM(E-E), WR is the competent authority to accept the single tender, subject to:

- a. *GST shall be paid against Valid Tax Invoice.*
- b. *Considering the current scenario & lieu of the CHQ circular no.AAI/CHQ/PRE-CHECK/2020-21 dated 10.05.2020, regarding Fund Management due to impact of Covid 19 lock down, Engg deptt may ensure Fund availability keeping in view the operational requirement.*
- c. *Engg Deptt may ensure sufficient budget provision before incurring the expenditure.*

18/04/2022 5:19 PM

RAMA D PAWAR
(AGM(FIN)-WR)

Note No. #75

The proposal is financially concurred by Finance Dte. and stated that JGM(E-E) is competent authority to accept single offer under DOP para 7.6(b). The FC was sought against DOP para 8.8(b). The discrepancy may please be clarified.

19/04/2022 10:39 AM

S R JAGADESAN
(JGM(E-E)-WR)

Note No. #76

Reference notes ante.

The proposal is considered as per DOP para 1.33 wherein "Any proposal related to procurement of capital equipment including SITC shall be covered under Chapter-7 of the DoP."

19/04/2022 10:56 AM

RAMA D PAWAR
(AGM(FIN)-WR)

Note No. #77

The lowest offer of M/s.Snowmex Engineers Ltd., New Delhi for Rs.19,15,423/- is accepted as per DOP para 7.6(b).

19/04/2022 1:13 PM

S R JAGADESAN
(JGM(E-E)-WR)

Note No. #78

उपरोक्त नोटिंग देखे।

उपरोक्तानुसार, मेसर्स स्नोमेक्स इंजीनियर्स लिमिटेड, नई दिल्ली उद्धृत न्युनतम बोली जोकि रु.15,19,850.00 (लागू जी.एस.टी. अतिरिक्त) है, के पक्ष में वित्तीय सहमति प्रदान की गई है एवं डी.ओ.पी. पैरा 8.8(b) के अनुसार, संयुक्त महाप्रबंधक (अभि.-वि.) द्वारा एकल निविदा स्वीकृत की गई है।

तदनुसार, दिनांक 25.04.2022 को विस्तृत कार्यादेश जारी किया गया है।

26/04/2022 5:17 PM

NANDKUMAR BAPURAO KUNDALE
(AGM(E-E)-WR)

Signature Not Verified

Digitally signed by NANDKUMAR
BAPURAO KUNDALE
Date: 2022.04.26 17:56:30 IST
Location: eProcurement System for
Central PSUs