



Date: November 04, 2020

Title: Mechanical & Electrical Upgrades, New Delhi, India

Solicitation Number: 21-175731

The following supplements and/or supersedes the solicitation document. This addendum forms part of the contract documents and is to be read, interpreted, and coordinated with all other parts. Any change to the cost of the work as a result of this addendum is to be included in the price proposal.

Addendum # 3

1. Section “III” – Tender Form

The tender form in its entirety:

DELETE: “Exclusive of VAT”

INSERT: “Exclusive of VAT and taxes”

2. Draft Contract, Title Page, C3. Contract Period

DELETE: “Completion Date: July 31, 2021”

INSERT: “Completion Date: October 29, 2021”

3. Appendix “E” - Request for Substitution Form

ADD: Request for Substitution Form (Appendix “E”) attached to Addendum #3.

4. Appendix “B” - Electrical, Drawings and Specifications, Pictures and Details HVAC Roof, Sheet Number 14 of 15

DELETE: Pictures and Details HVAC Roof, Sheet Number 14 of 15 in its entirety.

INSERT: Pictures and Details HVAC Roof, Sheet Number 14 of 15 attached to Addendum #3.

5. Appendix “B”- Mechanical, Drawings and Specifications, Chancery Phase 2 HVAC Upgrade Control Drawing, Sheet Number 6 of 6

DELETE: Chancery Phase 2 HVAC Upgrade Control Drawing, Sheet Number 6 of 6 in its entirety.

INSERT: Chancery Phase 2 HVAC Upgrade Control Drawing, Sheet Number 6 of 6 attached to Addendum #3.

All other conditions and requirements remain unchanged

<<Contractor Company Name>>

REQUEST FOR SUBSTITUTION (RFS) FORM

Project Name: IRCC Mechanical Upgrades (Ph2)
Project No.: B-DELHI-116

Page 1 of 3

Dated: <<MMM, DD 202Y>>
Revised: <<MMM, DD 202Y>>

From: _____ **RFS No:** _____
To: _____ (RFS No. to be completed by Government Rep)
Copies: _____ **Issue Date:** _____

Product, Material or Equipment Required of the Contract Documents:

Specification Section: _____ Drawing No./Detail: _____
Description: _____

Requested Substitute Product, Material or Equipment:

Description: _____

Attachments Included: Drawings Product Data Samples Test Reports
 Other: _____

Reason for Substitution: _____

Expected Lifespan: _____ Warranty Duration _____

Maintenance Regime: _____

Has this item been used in a similar application? Yes No

Describe Application: _____

Describe Results: _____

Owner Contact and Location: _____

Comparisons of the Specified Item and the Proposed Substitution:

Compare significant qualities of size, weight, durability, performance and visual effect:

Describe any changes required in other elements of the Work to accommodate the proposed substitution, including work performed by the Owner and separate contractors:

<<Contractor Company Name>>

REQUEST FOR SUBSTITUTION (RFS) FORM

Project Name: IRCC Mechanical Upgrades (Ph2)
Project No.: **B-DELHI-116**

Page 2 of 3

Dated: <<MMM, DD 202Y>>
Revised: <<MMM, DD 202Y>>

What effect will the proposed substitution have on the work schedule in comparison to the work schedule without approval of the proposed substitution?

Cost comparison of the proposed substitution to the originally specified item, including correlating modifications required to other work:

Net cost to the Owner: _____

Changes in contract time: _____

Signatures:

Permission to make any substitution after award of contract shall be effected by Change Order. It shall not relieve the Contractor, any subcontractor, or manufacturer, fabricator, or supplier from the responsibility for any deficiency that may exist in the substituted product or any departures or deviations from the Contract Documents as modified by such Change Order.

Except as otherwise expressly specified by the Contractor in the Request for Substitution and expressly approved in such Change Order, the Contractor shall be deemed to warrant, by his request, that the proposed substitute will satisfy all standards and requirements satisfied by the original product, material or equipment specified and the Change Order shall not be deemed to modify the Contract Documents with respect thereto.

If any substitution will affect a correlated function, adjacent construction, or the work of other trades or contractors, the necessary changes and modifications to the affected work shall be considered as an essential part of the proposed substitution, to be accomplished by the Contractor without additional time or expense to the Owner if and when accepted.

Contractor's Signature: _____

Date: _____

<<Contractor Company Name>>

Project Name: IRCC Mechanical Upgrades (Ph2)

Project No.: B-DELHI-116

REQUEST FOR SUBSTITUTION (RFS) FORM

Page 3 of 3

Dated: <<MMM, DD 202Y>>

Revised: <<MMM, DD 202Y>>

Government Rep Action' Action:

Departmental Representative's
Name: _____

Departmental Representative's
Signature: _____

Date: _____

Accepted Rejected More information required.

Comments: _____

Consultant's Name: _____

Consultant's Signature: _____

Date: _____

Accepted Rejected More information required.

Comments: _____

Consultant's Name: _____

Consultant's Signature: _____

Date: _____

Accepted Rejected More information required.

Comments: _____

Consultant's Name: _____

Consultant's Signature: _____

Date: _____

Accepted Rejected More information required.

Comments: _____

Consultant's Name: _____

Consultant's Signature: _____

Date: _____

Accepted Rejected More information required.

Comments: _____

End of Document.

ADDENDA / ADDENDUM ELE-001

Projet : Haut-Commissariat du Canada, New Delhi, Inde,
Chancellerie - Phase 2 - Mise à niveau CVCA

Description : Traduction / Translation

Projet no : 2015-123-113

Division : Electricité



Par : Pierre Hardy, Eng.

Date : 2020-10-26

1. Cet addenda fait partie intégrante des plans et devis originaux et des documents contractuels. Les soumissionnaires s'assureront que le coût des travaux effectués par cet addenda est inclus dans le montant de la soumission. / This addendum forms an integral part of the original plans, specifications and contractual documents. Bidders shall make sure that the cost of this addendum is included in the bid amount.
2. Documents :
 - 2.1 Document inclus / Included document :
 - 2.1.1 Plan no :
 - PBA-ARD-533-15-014-EQ-PRS, revision no 1.
3. Description des travaux / of work :
 - 3.1 Voir les modifications au plan / See modifications on plan.

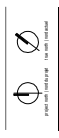
CH2M HILL
SOLUTIONS
FOR
SUSTAINABLE
INFRASTRUCTURE



INTEGRATED SOLUTIONS FOR INFRASTRUCTURE



THESE DOCUMENTS SHOULD NOT BE USED FOR CONSTRUCTION



NO.	DATE	DESCRIPTION
1.	2008/08/01	ISSUED FOR PERMIT
2.	2008/08/01	ISSUED FOR PERMIT
3.	2008/08/01	ISSUED FOR PERMIT
4.	2008/08/01	ISSUED FOR PERMIT
5.	2008/08/01	ISSUED FOR PERMIT

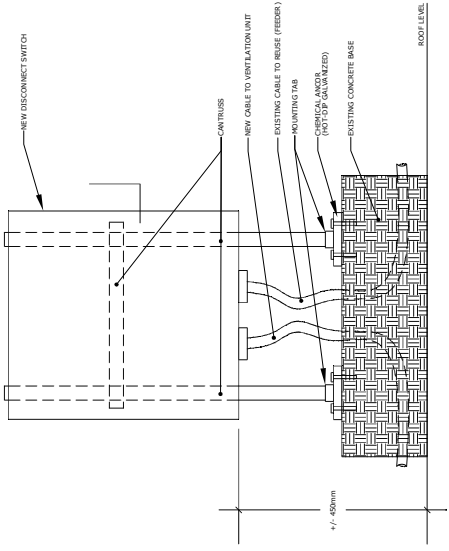
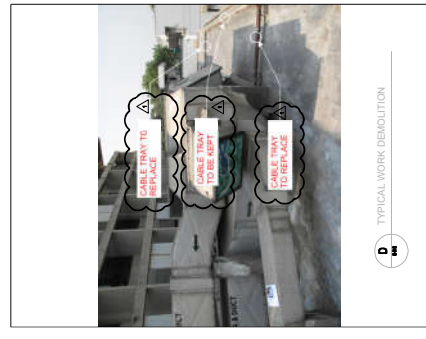
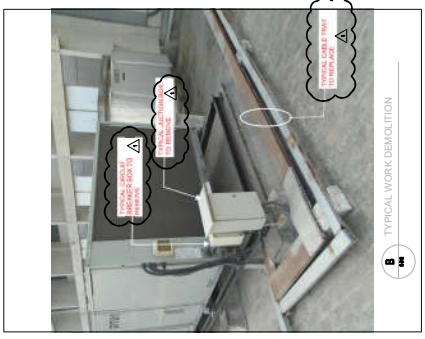


PHASE 2: RAMP UP TO PRODUCTION

CHANCERY
PHASE 2 HVAC UPGRADE

PICTURES AND DETAILS
MECHANICAL ROOF

NO.	DATE	DESCRIPTION
1.	2008/08/01	ISSUED FOR PERMIT
2.	2008/08/01	ISSUED FOR PERMIT
3.	2008/08/01	ISSUED FOR PERMIT
4.	2008/08/01	ISSUED FOR PERMIT
5.	2008/08/01	ISSUED FOR PERMIT



ADDENDA / ADDENDUM MEC-001

Projet : Haut-Commissariat du Canada, New Delhi, Inde,
Chancellerie - Phase 2 - Mise à niveau CVCA

Description : Chauffage électrique annulé / Electric heating
cancelled

Projet no : 2015-123-113

Division : Mécanique

Par : Vincent Poliquin, Eng.

Date : 2020-10-30



1. Cet addenda fait partie intégrante des plans et devis originaux et des documents contractuels. Les soumissionnaires s'assureront que le coût des travaux effectués par cet addenda est inclus dans le montant de la soumission. / This addendum forms an integral part of the original plans, specifications and contractual documents. Bidders shall make sure that the cost of this addendum is included in the bid amount.
2. Documents :
 - 2.1 Document inclus /Included document:
 - Plan / Drawing no. PBA ARD-533-15-M06-BC-PLN, revision no. 1.
 - Devis : section 23 73 10, page 8 / Specifications: section 23 73 10, page 7.
3. Description des travaux /Scope of work description:
 - 3.1 Unités de toit RTU-x / RTU-x rooftop units:

Les serpentins électriques de chauffage et leurs contrôles sont annulés. / Electric heater and their controls are cancelled.
 - 3.2 Voir les documents ci-joints. / See attached documents.

- .6 Refrigerant type R-410A.
- .5 Condensate pan:
 - .1 Galvanized steel, corrosion resistant, and thermally insulated.
 - .2 Drain connection with brazed joint.
- .6 Fans:
 - .1 Centrifugal, double-entry, forward curved blades, statically and dynamically balanced with variable pitch pulleys.
- .7 Motors:
 - .1 Open type, start capacitor, 1 725 rpm, single or three phases, according to the indications and the specified voltage.
 - .2 Installed on a sliding rail for easy belt adjustment.
 - .3 Variable diameter pulley on the motor (fixed diameter on the fan).
- .8 Filters:
 - .1 Replaceable, 50 mm thick MERV-8 filter.
 - .2 Replaceable 100 mm thick MERV-14 final filter.
- .9 Controls:
 - .1 Control panel with the following block terminals for remote controls:
 - .1 Unit start/stop (BI)
 - .2 Heat pump compressor start/stop (BI)
 - .3 Heat pump mode inverter (BI)
 - .4 Cancelled.
 - .5 Unit general alarm dry contact (BO)
 - .2 Motorized dampers:
 - .1 The unit shall be delivered with a normally closed spring-loaded return damper actuator pre-installed and pre-wired.
 - .2 Pre-installed damper actuators shall be equipped with a built-in limit switch pre-wired to the unit starter. Fan starts upon damper opening proof from the limit switch.

.10 Characteristics :

Identification	RTU-1, RTU-2, RTU-3
Model	UATYQ600 (heat pump)
Manufacturer	Daikin
Quantity	3
Minimum nominal air flow	7 000 cfm
External static pressure	0.8 in W.G.
Minimum cooling capacity	210 000 BTU/h
Number of compressors	2
Refrigerant	R-410A
Minimum heating capacity	195 000 BTU/h

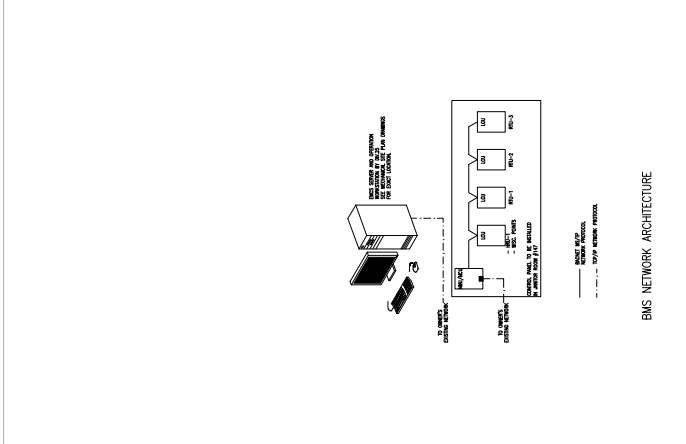


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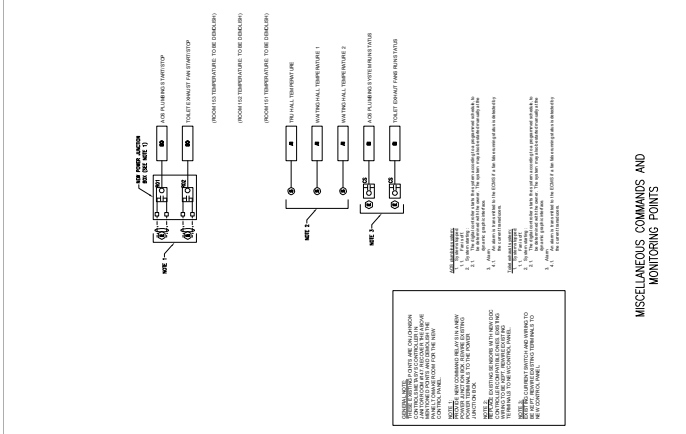


NO	REVISIONS	DATE	BY	CHKD
1	ISSUE FOR PERMIT	2023-05-15	JM	MM
2	ISSUE FOR CONSTRUCTION	2023-05-15	JM	MM
3	ISSUE FOR CONSTRUCTION	2023-05-15	JM	MM
4	ISSUE FOR CONSTRUCTION	2023-05-15	JM	MM
5	ISSUE FOR CONSTRUCTION	2023-05-15	JM	MM
6	ISSUE FOR CONSTRUCTION	2023-05-15	JM	MM
7	ISSUE FOR CONSTRUCTION	2023-05-15	JM	MM
8	ISSUE FOR CONSTRUCTION	2023-05-15	JM	MM
9	ISSUE FOR CONSTRUCTION	2023-05-15	JM	MM
10	ISSUE FOR CONSTRUCTION	2023-05-15	JM	MM

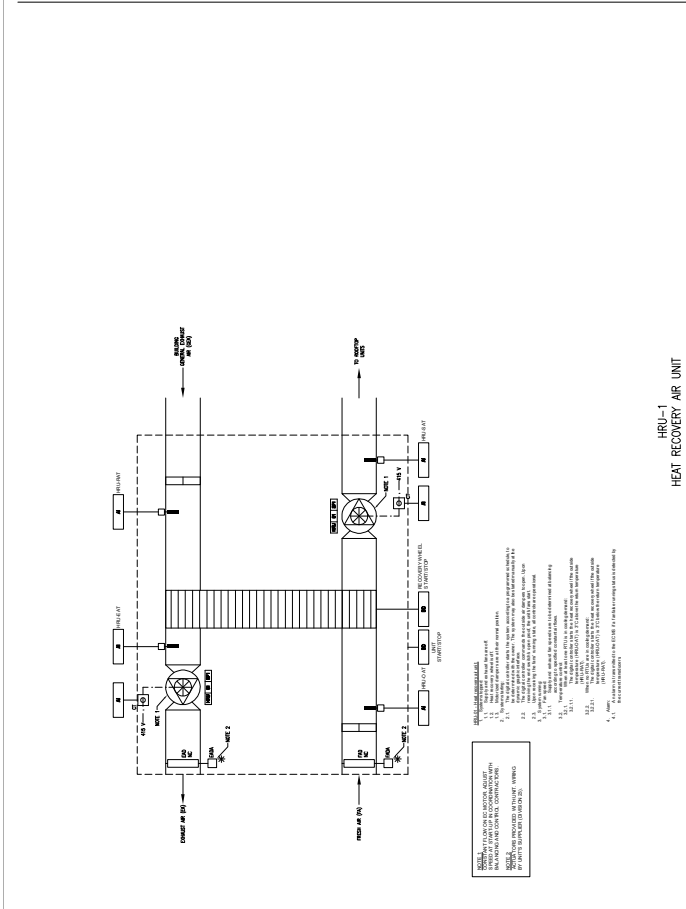
CHANCERY PHASE 2
 HVAC UPGRADES
 CONTROL DRAWINGS
 DRAWING NO: CH2-01-01-01
 SHEET NO: 1 OF 1
 DATE: 2023-05-15
 PROJECT NO: CH2-01-01



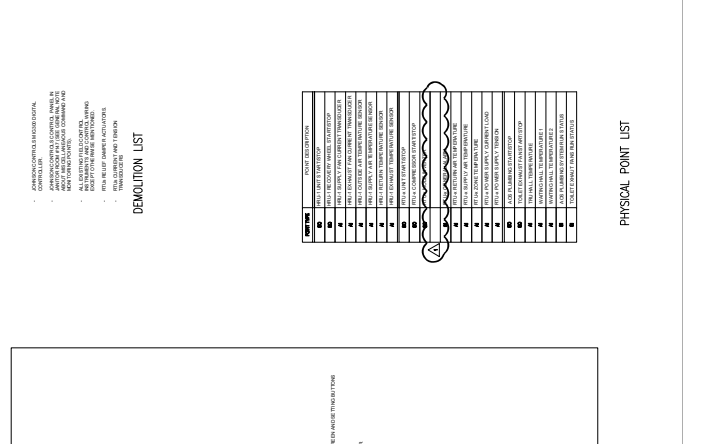
BMS NETWORK ARCHITECTURE



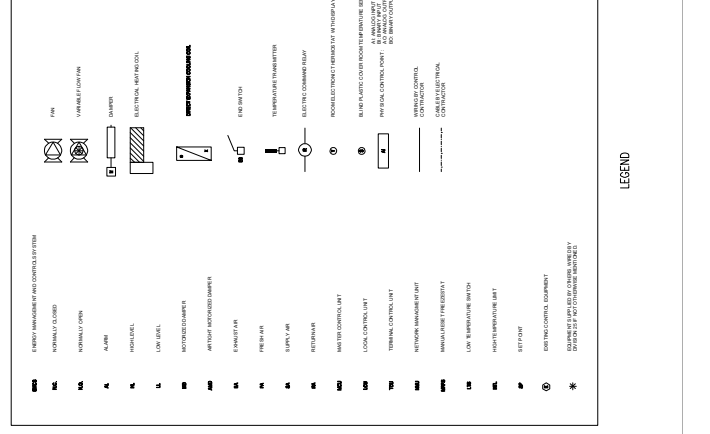
MISCELLANEOUS COMMANDS AND MONITORING POINTS



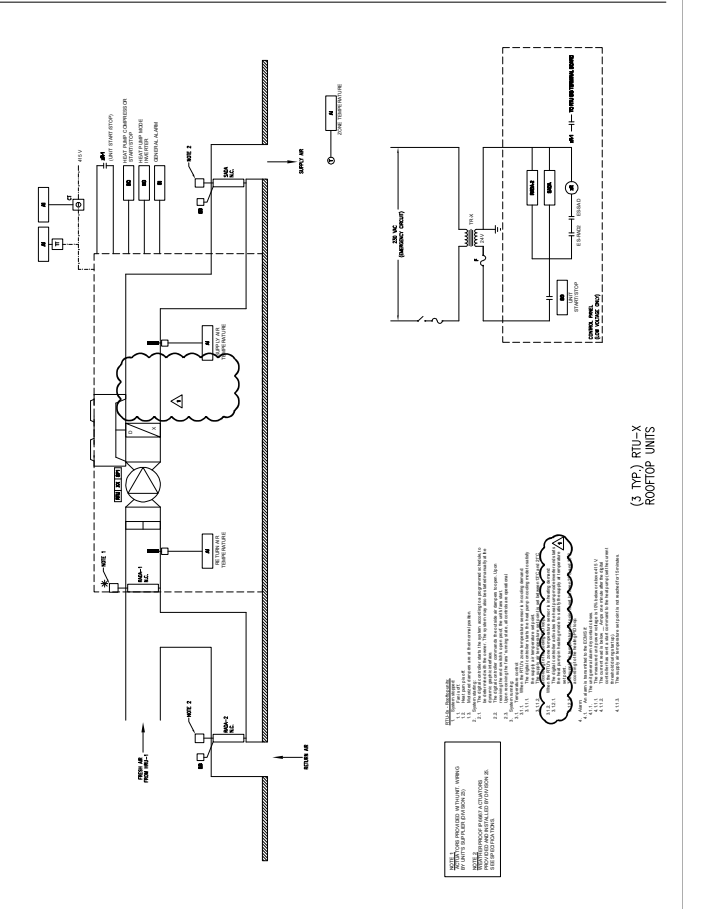
HRU-1 HEAT RECOVERY AIR UNIT



DEMOLITION LIST



LEGEND



(3 TYP) RRU-X ROOFTOP UNITS