



By Post / Email / PCC (By registered post)

Ref: AAI/CHQ/HOLLONGI-BHS/NIT-1/W.O.-1/2021-22/ 602

Date: 01.12.2021

To,

M/s Premier Engineering Technics Pvt. Ltd.
Unit No. 6, New Sadguru Nanik Industrial Estate,
Off. Western Express Highway, Goregaon (East),
Mumbai- 400 063

E-mail: info@premiertechnics.com

Name of Work : Construction of New Green Field Airport at Hollongi Airport, Itanagar
(Arunachal Pradesh). SH: Provision of Baggage Handling System

Tender ID. : 2021_AAI_88257_1

Dear Sir(s),

1. Your e-tender for the work mentioned above is hereby accepted for and on behalf of Chairman, Airports Authority of India at the item rates, quoted amount totalling to Rs. 1,06,00,000.00 (Rupees One Crore Six Lakh only **(Excluding GST, O&M and AICMC)** which is 29.88% below the estimated cost put to tender of Rs. 1,51,16,165.00 **(Excluding GST, O&M and AICMC)**. Detailed Schedule of Quantities & rates is attached herewith at Annexure-"A".
2. A supplementary agreement would be executed for Operation & Maintenance and AICMC of BHS. The period of contract shall be Seven (7) years for O&M and Five (5) years for AICMC (after Two (2) years of DLP) as described in "Special Conditions of Contract for O&M and AICMC".

The rate for Operation & Maintenance and AICMC of BHS work shall be derived while executing supplementary agreement as per pre-fixed percentage described in attached Schedule of Quantities on amount for final executed quantity from item S. No. 1 to Item S. No.9.

3. Jt. GM (Engg.-E) / DGM (Engg.-E) / AGM (Engg.-E) AAI, Hollongi Airport, Hollongi shall be Engineer-in-charge of the work. You are requested to attend the office of the Jt. GM (Engg.-E) Airports Authority of India, Operational Offices, Gurgaon Road, Rangpuri New Delhi-110 037 within 15 days of issue of this letter to sign and complete the Contract Agreement. The Contract Agreement shall be executed on a non-judicial stamp paper of value of Rs. 100/ (Rupees one hundred only) and the cost of the stamp paper shall be borne by you.
4. Please deposit Rs. 10,60,000.00 (Rupees Ten Lakh & Sixty Thousand only) towards security deposit within 10 days from the date of issue of this letter failing which, the same will be deducted as per condition of Clause no. 1A at page no. GCC-18 of Contract document.

cond p/2..



5. You are requested to comply with the provision of contract labour (Regulation & abolition) Act of 1970 and contract labour (Regulation & Abolition) Central Rules 1971, Child Labour (Prohibition & Regulation) Act 1986, Construction Workers (Regulation of Employment and Condition of Service) Act 1996, Building and other construction Workers Welfare Cess Act 1996 as specified in Clause-19 on page No. GCC-51 of tender and rules of Central and State Governments including amendments.
6. You are also directed to contact the Office of G.M. (Engg-Project) AAI, Hollongi Airport, Hollongi, Itanagar immediately who will arrange to hand over the site to you.
7. Please note that the time allowed for carrying out the work shall be Ten (10) Months for SITC BHS work, which shall be reckoned from the 10th day after issue of this letter.
8. All corrigendum, queries, clarifications, etc raised during e-tendering process and replies thereof including the letters referred above shall also form part of the Agreement.
9. Any further correspondence in connection with the contract should normally be addressed to the Engineer-in-charge, i.e., Jt. GM (Engg.-E) / DGM (Engg.-E) / AGM (Engg.-E), AAI, Hollongi Airport, Hollongi.
10. Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after duly signing it to the undersigned as a token of acceptance.

Encl: As above

Yours faithfully

(S. M. Khokale)

Jt. General Manager (Engg.-E) /CHQ-NER
Operational offices, New Delhi-110 037
For and on behalf of the Chairman,
Airports Authority of India



Distribution List:

External:

1. Additional Commissioner of Income Tax.
2. Jt. Commissioner of Income Tax,
3. Asst. Labour Commissioner
4. Regional Provident Fund Commissioner,
5. Commissioner, Service Tax,
6. Commissioner, Sales Tax,

These 06 (1 to 6) copies are being forwarded to GM (Engg), Hollongi Airport, Itanagar with the request to arrange the delivery of the same to the respective offices.

Internal:

1. P.S. to Member (Planning), AAI, RGB, New Delhi.
2. ED (ENGG.), CHQ-NER, AAI, Ops. Offices, New Delhi
3. E.D. (F&A), AAI, RGB, New Delhi.
4. E.D. (Planning), AAI, RGB, New Delhi.
5. E.D. (PMQA), AAI, RGB, New Delhi.
6. RED, AAI, RHQ, NER, Guwahati.
7. GM (Engg), Hollongi Airport, Itanagar.
8. G.M. (F&A)-NER, AAI, RHQ, LGBI Airport, Guwahati.
9. GM (Engg-Elect), CHQ-NER, AAI, Ops. Offices, New Delhi
10. GM (Engg-Civil), CHQ-NER, AAI, Ops. Offices, New Delhi
11. AGM (Engg.-Elect.), CHQ-NER, AAI, Ops. Offices, New Delhi


11/12/2021

(S. M. Khokale)

Jt. General Manager (Engg-E)/ CHQ-NER
Operational offices, New Delhi-110 037
For and on behalf of the Chairman,
Airports Authority of India

SCHEDULE OF QUANTITIES

NAME OF WORK: Construction of New Green Field Airport at Hollongi Airport, Itanagar (Arunachal Pradesh)
SH: Provision of Baggage Handling System.

S. No.	Description of Item	Qty	Unit	Rate	Amount
1.00	Design, supply, installation, testing and commissioning of heavy duty <u>endless slat type arrival carousel</u> having nominal useful width of 950 mm with smooth top of PVC/PU/Rubber slats, conveyor height 400-450 mm from finished floor level and speed 24-30 mtr. / min. The Carousel shall be suitable for live loading capacity of 35 Kg per linear meter with die cast aluminum chain block with friction drive unit of suitable capacity, overlapping slats with slat carrier, finished chain track, frame work, tension adjustment device, inner & outer side steel covering, toe kick plate (only from outside periphery of carousel), infill duly covered with synthetic carpet of approved shade with open able cover for ease of maintenance, necessary cables (including the cable for tapping power from the nearest switch provided by AAI) & wires for power and controls for synchronizing the operation of carousel with rolling shutter, hooter, etc, cutting & drilling of the holes/ grounding the frame structures / equipment, earthing, connections /interconnections complete as required and as per enclosed specifications. The approximate loop length as per attached layout shall be as under: a) 35 Mtr. (approximate) for prefab structure of Interim Terminal Building b) 65 Mtr. (approximate) for Main Terminal Building NOTE: i) Electro-mechanical components including drive unit & it's all connected accessories, wiring, etc. of 35M carousel loop shall be designed & selected suitable for 65Mtr. Conveyor loop length, to be installed in main terminal building as loop No.2 in future. ii) Loop length shall be measured along with Centre line and paid on linear meter.	130	Mtr.	51000.00	6630000.00
2.00	<u>Control panel for arrival baggage handling system</u> Design, manufacture, supply, installation testing and commissioning of MV panel (TTA) of form 3 B complying IEC 60439 in cubical construction, dust and vermin proof of minimum IP 42, free standing, floor/ wall mounted with suitable frame work, indoor type, suitable for operation on 415 V, 3 phase 4 wire 50 Hz, AC supply system. The compartmentalized panel shall be fabricated from 2 mm (+/- 10 %) thick CRCA sheet steel of frame work, door covers & partition shall be as per OEM standard and gland plate of 3 mm. thick (minimum), powder coated in approved shade after minimum 7 tank process, complete with Al. bus bars of high conductivity, SMC bus bar supports with short circuit withstand capacity of 35 KA for 1 sec, interconnections from main bus bar to switchgears with required size of copper conductor cable / aluminum strips, neutral links, copper earth bar of size 25 mm. x 5 mm. at the rear with 2 nos. stud, throughout the length of panel, control wiring with PVC insulated FRLS copper conductor cable / wires, cable alleys with top and bottom entry facility having cable gland plate , necessary metering, protection & indications and mounted with following switchgears, controls, sensors, auto/ manual switches, etc as required as per enclosed specification to meet the functional requirement of Arrival BHS system. <u>Incomer</u> FP MCCB of required rating suitable for 65 M (Appox) loop length loads, 35 KA with thermal magnetic release for O/C, S/C protections & rotary handle on door with mechanical lock arrangement – 1 No. Rating of MCCB shall be so selected that only about 80% of its full current carrying capacity is utilized for meeting the total requirement of the specific application				

S. No.	Description of Item	Qty	Unit	Rate	Amount
	Instruments & Indications: - Multifunction meter with communication port & rated CT's of 1 Amp output suitable to read - A, V, PF, Hz, KW, KVA, KVAR, KWh, KVARh, average and maximum values, maximum demand values, THD on current and Voltages, Individual harmonics up to 31st level complete – 1 set - R-Y-B phase LED indicating lamps protected with MCB's - Protection: i) Single Phase Protection ii) Phase reversal protection iii) Under voltage protection - Surge Protection Device: type 1 +2, capable to discharge lightning impulse current 10/350 microsecond L-N/N-E= 25KA/ 100KA with incomer switch. Busbar - Rated TPN Al busbar and auxiliary bus section(s) if required complete Out going - MPCB of suitable current rating & breaking capacity of 10 KA for friction drive motor(s) of arrival carousal loop with VFD / soft starter. - MPCB of suitable current rating & breaking capacity of 10 KA for each motor of rolling shutter with starter and interlocking with conveyor & limit switches / sensors, Auto-manual switches, separate push button for UP /DOWN, etc. - Emergency stop: Provision shall be made in panel & at three (or more as per system requirement) other locations for carousel in the passenger baggage claim area. - Alarm / Time delay: Provision for time delay start, duly interconnected with buzzer and start the sequence of carousel. Interlock & Logic: A programmable logic to meet the operational requirement shall be worked out got approved from Engineer-in-charge. Required number of sensors and other control devices shall be provided to meet the functional logical operation of conveyor along with sequential operation of feeder conveyors as required. NOTE : Control panel shall be suitable for 65M (approx.) loop carousal.	2	Job	150000.00	300000.00
3.00	Departure Baggage Conveyor System Weighing Scale Conveyor Design, supply, installation, testing and commissioning of following sizes heavy duty weighing scale conveyor with LCD display type weighing scale with 4 Nos. high resolutions load cells of capacity 200Kg. fitted in conveyor frame structure of height 300mm at passenger side and the other end suitably sloped for easy flow of baggage at design speed within 21-30 mtr./min. The conveyor unit shall consist of 2 ply PVC rough top belt having width 650mm (min.), pulley fitted with bearing in pillow blocks, return rollers, galvanized or epoxy coated mild steel sheet slider bed, SS side guards, suitable capacity drive unit, etc. including all electrical switchgears components, Controls, cabling / wiring & its connections / interconnections, cutting & drilling of holes/ grouting the structure / equipment, earthing, calibration & certifications of weighing scale, complete as required and as per enclosed specifications. The LCD display shall be provided in Check-in-Counters console - one at passenger side and one for the operator along with supply and installation of foot operated ON / OFF switch with necessary wiring/ cabling and its connections / interconnections, complete. (a) Length - 1200 mm (Approx.)	8	Job	130000.00	1040000.00



S. No.	Description of Item	Qty	Unit	Rate	Amount
4.00	Despatch Conveyor Design, supply, installation, testing & commissioning of following sizes heavy duty Despatch conveyor complete with 2 ply carcass PVC smooth top type belt (Diamond cut Belt of 7.5 mm thickness is also acceptable) suitable for live loading capacity of 35 kg per linear meter having useful belt width & frame structure to match with that of integrated weighing conveyor and to meet functional requirement, suitably sloped for easy transfer of baggage from one section to adjoining section within the speed of 21-30m /sec. The despatch section unit shall consist galvanized or epoxy coated mild steel sheet slider bed, drive pulley, tension adjustment device, frame and supports, Trim / fascia covering / finishing, head and tail pulley, return rollers, side wall / guard, Vertical baggage guide / tipping device with control logic including all electrical switchgears components, cabling / wiring & its connections / interconnections, Controls, cutting & drilling of holes/ grouting the structure/ equipment, earthing, complete as required and as per enclosed specifications. (a) Length – 1200 mm (Approx.)	8	Job	70000.00	560000.00
5.00	Take away conveyor system Design, supply installation, testing and commissioning of heavy duty take away conveyor loop(s) having useful belt width of 950mm with suitable frame structure of height not more than 400 mm from finished floor level and 2 ply carcass PVC smooth top very low friction type belt. The loop(s) shall be design for live loading capacity of 35 Kg. per linear mtr within a selected speed from 21-30 mtr. / min. The take away conveyor loop shall consist of galvanized or epoxy coated mild steel sheet slider bed, drive unit, tension adjustment device, frame supports & cross members, support spacing, Trim / fascia covering / finishing, drive pulley, head & tail pulley, take up pulley & snub rollers, return rollers, vertical baggage guide / tipping device side wall / Guard complete, control logic & protection including all electrical switchgears components, cabling/ wiring & its connections / interconnections, Controls, cutting & drilling of holes/ grouting the structure/ equipment, earthing, complete as required and as per enclosed specifications. Take way conveyor loop shall be in section(s) as per system design and as per layout drawing attached.	30	Mtr.	30000.00	900000.00
6.00	Control panel for departure conveyor system Design, manufacture, supply, installation testing and commissioning of MV panel (PTTA) of form 3 B complying IEC 60439 in cubical construction, dust and vermin proof of minimum IP 42, free standing, floor mounted, indoor type, suitable for operation on 415V, 3-phase 4 wire, 50 Hz, AC supply system. The compartmentalized panel shall be fabricated from 2 mm (+/- 10 %) thick CRCA sheet steel of frame work, door covers & partition shall be as per OEM standard and gland plate of 3 mm. thick (minimum), powder coated in approved shade after minimum 7 tank process, complete with Al. bus bars of high conductivity, SMC bus bar supports with short circuit withstand capacity of 35 KA for 1 sec, interconnections from main bus bar to switchgears with required size of copper conductor cable / aluminum strips, neutral links, copper earth bar of size 25 mm. x 5 mm. at the rear with 2 Nos. stud, throughout the length of panel, control wiring with PVC insulated FRLS copper conductor cable / wires, cable alleys with top and bottom entry facility having cable gland plate, necessary metering, protection & indications and mounted with following switchgears, controls, sensors, auto/ manual switches, etc. as required as per enclosed specifications to meet the functional requirement of BHS system.				

S. No.	Description of Item	Qty	Unit	Rate	Amount
	MV panel for departure system shall be designed & selected suitable for extending the feeder loads for— a) Take away conveyor loops as per layout of main terminal building; b) Despatch conveyor units – 10 Nos. (For 8 Nos. present requirement + 2 Nos. future expansion) c) Weighing conveyor units – 10 Nos. (For 8 Nos. present requirement + 2 Nos. future expansion) d) Rolling shutter- 1no. e) Other load like hooters, controls, etc. f) Provision of mimic display of BHS layout. g) Any other load as per system design and to meet functional requirements. Incomer FP MCCB of required rating of above loads, 35 KA with thermal magnetic release for O/C, S/C protections & rotary handle on door with mechanical lock arrangement – 1 no Rating of MCCB shall be so selected that only about 80% of its full current carrying capacity is utilized for meeting the total requirement of the specific application Instruments & Indications : - Multifunction meter with communication port & rated CT's of 1 Amp output suitable to read - A, V, PF, Hz, KW, KVA, KVAh, KVArh, average and maximum values, maximum demand values, THD on current and Voltages, Individual harmonics up to 31st level complete – 1 set - R-Y-B phase LED indicating lamps protected with MCB's - Protection: i) Single Phase Protection ii) Phase reversal protection iii) Under voltage protection - Surge Protection Device : type 1+2, capable to discharge lightning impulse current 10/350 microsec L-N/N-E= 25KA/ 100KA with incomer switch.				
	Busbar - Rated TPN Aluminum busbar and auxiliary bus section(s), if required complete. Out going - MPCB of suitable current rating & breaking capacity of 10 KA for each motor of take away conveyor loop with starter. - MPCB of suitable current rating & breaking capacity of 10 KA for each motor of rolling shutter with starter and interlocking with conveyor & limit switches / sensors, Auto-manual switches, separate push button for UP /DOWN, etc. - MPCB of suitable current rating & breaking capacity of 10 KA for each motor of weighing scale conveyor & despatch conveyor with starter. - Provision of control switches & logic with -emergency stops, Interlock & PLC based Logic control, sensors, auto manual switches, Alarm & time delay start duly interconnected with buzzer and start the sequence of carousel complete. - Control panel should have provision towards add on switch gears, controls, cabling, wirings, etc. to extend power to weigh-scale, despatch & take away conveyor suitable for two nos. additional Check-in- counters in future. - Mimic display of complete departure conveyor system including future expansion.	1	Job	550000.00	550000.00



S. No.	Description of Item	Qty	Unit	Rate	Amount
7.00	Gravity roller conveyor Design, Supply, installation, testing & commissioning of gravity rollers of required length suitable for live loading capacity of 35kg per linear meter with 60/65 mm pitch/ dia or as per manufacture's recommendation. The conveyor frame section shall be 1000 mm in width with rollers, supports, cutting & drilling of holes/ grouting the structure / equipment complete as required and as per enclosed specifications. Height of the gravity roller conveyor shall suitably have matched and sloped.	2	Mtr	34500.00	69000.00
8.00	Draught Curtain Supply, installation, testing & commissioning of draught curtain cover for opening of conveyor belt of suitable size fabricated with 3mm (or 1.5 mm with reinforcement) thick PVC / Nylon Rubber flaps and fixed by SS flat strip in the opening complete as required and as per enclosed specifications (For Arrival & Departure)	5	Job	7000.00	35000.00
9.00	Rolling Shutter Supply, installation, testing & commissioning of electrically operated rolling shutter with arrangement for auto and manual operation (from both sides – inside as well as from outside) to suit to the opening in wall/ fabricated frame structure of the building with suitable rated tubular geared motor directly coupled to the shaft of the shutter, limit switches or sensors, interlock with conveyor starter, guide channels, wiring, earthing, connection / interconnection, fixing with anchoring, painting complete as required and as per enclosed specifications. (For Arrival & Departure)	5	Job	70000.00	350000.00
10.00	Dismantling of BHS in prefab structure of Interim Terminal Building: Dismantling of following materials/ equipment complete from prefab structure of Interim Terminal Building and stack in main terminal building or the location as approved by EIC in his store as required. The details of stacking of materials shall be done in such a way that it can be re-installed without any mis-match.				
10.1	Arrival carousal with its control panel complete.	1	Job	25000.00	25000.00
10.2	Departure conveyor system including 4 Nos. check in conveyor sets, control panel complete	1	Job	25000.00	25000.00
10.3	Rolling shutters with all its cabling, etc.	3	Job	5000.00	15000.00
10.4	Draught curtain complete.	3	Job	2500.00	7500.00
11.00	Installation, testing & commissioning of arrival carousal with Add on straight section: Installation, testing & commissioning of 65 m (approx.) arrival carousal loop No. 2 as per enclosed layout in main terminal building from following items to make a complete loop including complying technical specifications, grouting the structures, etc., extending cabling / wiring from control switches, rolling shutter, etc. upto control panel, connections / inter-connections, making all control logic as applicable for successful operation of arrival carousal complete as required as per site conditions: i) Electro- mechanical components including control panel, cabling, switches/ sensors etc. dismantled from prefab structure of Interim Terminal Building of 35 Mtr. loop under Item No. 10; ii) Add on straight section of arrival carousal as required under Item No. 1. NOTE: Add on straight section shall be measured on liner meter from center line of carousal and paid under item no. 1; Any other item required / modification if any, shall be included in the scope of the contractor.	1	Job	40000.00	40000.00



S. No.	Description of Item	Qty	Unit	Rate	Amount
12.00	<u>Installation, testing & commissioning of departure system with Add on straight section:</u> Installation, testing & commissioning of add on departure system as per enclosed layout in main terminal building from following items to make a complete system complying technical specification, grouting the structures, etc. extending cabling / wiring from control switches, rolling shutter, etc. upto control panel, connections / inter-connections, making all control logic as applicable for successful operation of departure system complete as required and as per site conditions: a) Electro- mechanical components including control panel, cabling, etc. dismantled from prefab structure of Interim Terminal Building of take away conveyor –two loops, weighing &despatch conveyor – 4 set with its LED display units & foot operated ON / OFF switch, etc. and re-installation in Check-in-counters, calibration of weighing scale complete as required. b) Synchronizing the operation of departure system with 4 set weighing &despatch conveyors installed under Item no. 5.	1	Jo b	40000.00	40000.00
13.00	<u>Installation, testing & commissioning of Rolling shutters:</u> Installation, testing & commissioning of Rolling shutters as per enclosed layout in main terminal building from following items to make to a complete system complying technical specification, cabling / wiring and its connection / inter-connections, grouting the structures, etc. as applicable for successful operation of arrival / departure system complete as required and as per site conditions: i) Electro- mechanical components including cabling, etc. dismantled from prefab structure of Interim Terminal Building under Item No. 10;	3	Jo b	2500.00	7500.00
14.00	<u>Installation, testing & commissioning of Draught curtain:</u> Installation, testing & commissioning of Draught curtain as per enclosed layout in main terminal building from following SOW items to make to make a complete system complying technical specification, grouting the structures, etc. as applicable for successful operation of arrival /departure system complete as required as per site conditions: ii) Electro- mechanical components including frame, etc. dismantled from prefab structure of Interim Terminal Building under Item No. 10;	3	Job	2000.00	6000.00
Total of E&M (Capital Works)					10600000.00
15.00	<u>Operation, Preventive and Routine Maintenance of Complete Electrical System (one shift operation of 8-10 hrs / day for all days):</u> Operation and routine Maintenance of Electrical & Mechanical Installations as provided under the contract complying Special conditions of the contract involving repairs, maintenance & attending to complaints / faults/ breakdowns and taking rectification action etc to ensure serviceability / satisfactory working conditions of the systems provided, preventive maintenance, maintenance of records / documentations, consumables etc as required and as detailed in enclosed specifications, terms & conditions covered under this contract complete.				
15.1	First year of Defect Liability Period (DLP)	1	Year	3.07%	on amount for final executed quantity of S. No. 1 to Item S. No. 9
15.2	Second year of Defect Liability Period (DLP)	1	Year	3.23%	
15.3	First year after DLP	1	Year	3.39%	
15.4	Second year after DLP	1	Year	3.56%	
15.5	Third year after DLP	1	Year	3.73%	
15.6	Fourth year after DLP	1	Year	3.92%	
15.7	Fifth year after DLP	1	Year	4.12%	

S. No.	Description of Item	Qty	Unit	Rate	Amount
16.00	All inclusive Comprehensive Maintenance Contract (AICMC): All Inclusive Comprehensive Maintenance of Complete Baggage Handling System as provided under the main contract including trouble shooting, preventive maintenance and breakdown maintenance etc. as required as per good engineering practice, recommendation of the manufacturer, instructions of Engineer-in-Charge and as per terms and conditions specified in the enclosed specification, terms & conditions. The response time in case of breakdown shall not be more than 08 hours.				
16.1	First year after DLP	1	Year	1.29%	on amount for final executed quantity of S. No. 1 to Item S. No. 9
16.2	Second year after DLP	1	Year	1.36%	
16.3	Third year after DLP	1	Year	1.43%	
16.4	Fourth year after DLP	1	Year	1.50%	
16.5	Fifth year after DLP	1	Year	1.56%	


1/12/21

(S. M. Khokale)

Jt. General Manager (Engg.-E) /CHQ-NER
Operational offices, New Delhi-110 037
For and on behalf of the Chairman,
Airports Authority of India