

STEEL ART

OFFICE:- R Z 16,H-BLOCK WEST SAGAR PUR,NEW DELHI 110046

Fectory:- Plot No.25/3/1,Nangli Sakrawati,Najafgarh,New Delhi110075

Email ID :- chauhansteelarts@yahoo.in

Website:- steelarts.in

Phone:- 9999424252

STEEL ARTS

OFFICE:- R Z 16,H- BLOCK,WEST SAGAR PUR ,NEW DELH-110046

Email ID :- chauhansteelarts@yahoo.in

Phone:-9999424252

CURRENTLY RUNNING PROJECT

- ECGC BUILDING ,ANDHERI(E),MUMBAI
- TATA MEMORIAL
HOSPITAL,KHARGHER,MAHARASHTRA
- GURUGOBIND SINGH INDRAPRASTHA
UNIVERSITY,KARKARDOOMA
- METRO HOUSING,SEC-50,NOIDA,UP
- SAMAY PUR BADLI METRO DEPOT
- RESIDENT BUILDING PUNJABI BAGH
- G D GOENKAPUBLIC SCHOOL,SAREETA
VIHAR,NEW DELHI

INTRODUCTION

We, **Steel Arts** have great privilege to introduce ourselves as one of the leading contracting firm in India. Our Company specializes in the area of manufacturing and installation of Aluminium Architectural product Window-Doors, Cladding & Glazing systems, Curtain walls to cater the needs of Architects, Builders, Institutions, pharmaceutical industries and Corporate clientele. We are having experience of 16 years in this field. Our Sister Concerns company **Yatika Façade consult**

OUR PRODUCTS

Since its inception, **Steel Arts** has been engaged in and completed various prestigious projects. Our wide range of products related to Architectural Aluminium requirements includes:-

- **Flush type Doors/Panel type Doors**
- **Flush type Windows/Casement Windows**
- **Curtain wall**
- **Structural Glazing**
- **Suspended Glazing**
- **Aluminium Composite Panel Cladding**
- **Sky lights**
- **Canopies**
- **Glass Railing**
- **S.S. Railing**
- **Louvres & many others.**

We are making doors & windows specially made for clean room area where the cleaning process is very much vital, so we are very diligent while making the same. The Flush type Doors & windows is specially made for preventing the storage of bacteria. These doors are normally found in Pharmaceutical Industry/Laboratories. For Non-clean room, we have different types of doors, namely i.e. Fully paneled, Partly glazed/ partly paneled & fully glazed doors.

OUR STRENGTHS

Mr. PAWAN CHAUHAN, manages our firm, having vast experience in this field who has successfully promoted various industries to meet the exactly demand of Constructions Industry in India. Over the years with technical experience, advice, expertise and total commitment, we have been able to excel in the following:-

- **Quality Workmanship**
- **Timely completion with professional scheduling**
- **In-house custom designed solutions**

- **Technical competence**
- **Customer satisfaction**

I- GENERAL SPECIFICATION:

1) GENERAL:

- Work includes Designing, Fabrication, supply & installation of high- performing acoustic Windows and doors so as to meet the various requirements of functionality, strength and aesthetics.

2) QUALITY ASSURANCE:

- Drawing & Specifications are strictly adhered.
- Whenever substitute products are to be considered supporting technical Literature, samples, drawings performance data will be submitted along with the bid in order to make valid comparison of the products involved.
- Test reports on the proposed on the system and involved components will be made available upon request.

3) PERFORMANCE:

- **Noise Penetration:** It will be restricted to maximum possible and conform to **World Health Organization (WHO)** recommendations.
- **Air infiltration & water penetration:** Air the maximum irritants in a window system and the proposed system will take care of it. We shall clearly indicate the measure adopted in our proposed system to tackle this problem. Preliminary drawings shall be submitted along with the offer.
- **Structural stability:** This system shall perform in accordance with Indian wind load criteria confirming to **IS 875 (Part III)** Structural calculations if required shall be submitted.

II - PRODUCTS:

1) MATERIALS:

- **ALUMINIUM EXTRUSIONS:** are optimally designed to meet requirements of functionally and strongly. **(HE-9 alloy)**
- **ACCESSORIES:** shall be compatible with the extrusion being used.
- **LOCKING SYSTEMS:** shall be compatible with the extrusion being used.
- **HANDLES AND HINGES:** Hinges shall be of high quality smooth in Operation compatible with the concern profile and aesthetic in looks. Hinges shall be counter sunk and reversible.
- **GASKETS:** shall be EPDM to ensure weather tightness.

- **SREWS, BOLTS, NUTS:** Used for any window, door shall be made of S.S, 304 conforming to DIN standards or sheet metal screws depending on its location & its usages.

2) FINISH:

- All exposed Aluminium surfaces will be free of scratches and other serious blemishes. Surface finish will be of uniform colour & texture. Options : Anodizing Electro chemical coating) Powder coating. (Colour Deposit Method) Electrostatic. PVDF coating.

3) GLASS:

- Various types of glazing are available depending upon the suitability of your project some options are;

Industrial: Wire Glass, Pin Head Opaque, Laminated Safety Glass,
Double Glazed units (For Thermal & acoustic Insulation)

Residential: Clear Glass, Tinted Glass, Beveled glass, Custom Design
(Etching, Engraving) Glass.

Commercial: Clear Glass, Tinted Glass, Double Glazed units
(For Thermal & acoustic Insulation)

4) FABRICATION:

- Will be done Vendor's in House manufacturing facilities to ensure good quality, Use of machinery's cutting machine, end-miling machine, coping miling machine will confirm to deliver products of international standards.

III – EXECUTION

1) INSTALLATION:

- Framing system shall be installed, glazed and adjusted by experienced workmen in accordance with the manufacturer's installation procedure and / or approved Shop Drawings of Architect or Client.

2) CLEANING, PROTECTION & HAND OVER:

- Before installation, all metal surfaces shall be covered within self-sticking PVC film to protect it from mortar, Plaster Paint or other contaminants.

DESIGN & ENGINEERING

We have full pledged in-house Design & Engineering Department employing fully qualified Engineers & Technicians working on Computer Aided Design (CAD) workstations. We prepare and submit precise & thoroughly detailed shop drawing along with relevant engineering calculations.

Ordering of Materials/Production/Execution shall commence after the receipt of full & final approval of shop drawings by Architect/Client.

We are constantly improving on our existing products as well as developing new product system to meet the requirements of Architects/Clients. We are responsible for the design and manufacturing technology, which will conform to International standards.

PRODUCTION & DELIVERY

We have a state of the Art manufacturing unit of approx.6000 Sq.Ft at our Factory. . All the Aluminium materials are fabricated in our own workshop on Pneumatic cutting machines. In addition, we have Hydraulic power presses, Pneumatic Guns for sealant operations and other specialized tools. All the fabrication in our workshop is carried out under the supervision of skilled, experienced and technically competent Managers.

ON SITE INSTALLATION & SUPERVISION

We have a team of qualified & experienced Site Engineers who will be responsible for the project execution. On approval of our shop drawings, the materials shall be ordered. Prior to fabrication, a detailed survey of the Building structure shall be carried out.

On completion of work, each section shall be handed over with joint Inspection and certification by Clients.

ORGANISATION CHART

STEEL ARTS

MANAGING DIRECTOR

PROPRITER

Mr Pawan Chauhan

GENERAL MANAGER

Mr Rajiv

PROJECT MANAGER

Mr ANKIT KUMAR

FACTORY MANAGER

MR Sandeep Chauhan

TECHNICAL MANAGER

Mr Kavinder

BILLING DEPT.

Ms SAPNA
Mr Ankit

PURCHASE DEPT.

Mr Sandeep Chauhan

ACCOUNTS DEPT

CA RAVI GUPTA
Mr Ankit kumar

DESPATCH DEPT.

Mr Prithvi pandit

PROJECT ENGINEER

Mr Brij Mohan
Mr MD Imran

SUB CONTRACTOR

ATEEK KHAN
MD NOSAAD
MD UMER
MD SUHAIL
SURENDER
Bittu Saifi

DESIGN DEPT.

Mr Kavinder

ESTIMATION DEPT.

Mr Mukesh Chauhan

8	M/S PERNIKA COMMERCIAL P.LTD	NCC BHAWAN	ROHINI, NEW DELHI	PWD	PWD	DOOR & WINDOW	62 LAKH APPROX
9	M/S SNG ELECTRICAL PVT LTD	NPTMC BUILDING	PGCIL, MANESAR	POWER GRID	POWER GRID	ACP CLADDING, STRUCTURE GLAZING, GLASS & DOOR WINDOW	1.37 CRORE APPROX
10	M/S METAL FAÇADE	MODE UNISEX SALON	ROHINI, NEW DELHI	YATICA FAÇADE CONSULTANT	PVT BUILT	ACP CLADDING & STRUCTURE GLAZING	35 LAKH APPROX
11		CITY BANK	ROHINI, DELHI	YATICA FAÇADE CONSULTANT	PVT BUILT	ACP CLADDING & STRUCTURE GLAZING	27 LAKH APPROX
12	M/S ASIAN CONSTRUCTION COMPANY	ICAR, KRISHI BHAWAN NSID COMPLEX	PUSA ROAD, NEW DELHI SEC - 10, DWARKA	RTES CPWD	RTES CPWD	ACP CLADDING & STRUCTURE GLAZING	25 CRORE APPROX 3.5 CRORE APPROX
13	M/S PREDHUBAN RAIPUT	SARASWATI ANCHAL SCHOOL SARASWATI ANCHAL SCHOOL	KELASH PURI, NEW DELHI NAJAFGARH, NEW DELHI	YATICA FAÇADE CONSULTANT	PVT BUILT	ACP CLADDING & STRUCTURE GLAZING	85 LAKH APPROX 73 LAKH APPROX
14	M/S METAL FAÇADE	SAKUNTALA HOSPITAL	SAGAR PUR WEST, NEW DELHI	YATICA FAÇADE CONSULTANT	PVT BUILT	ACP CLADDING & STRUCTURE GLAZING	48 LAKH APPROX
15	M/S IRC GRID ENGINEER	BADLI METRO DEPOT	SAMAY PUR, BADLI, NEW DELHI	DEVELOPMENT CONSORDIUM	DMRC	ACP CLADDING, STRUCTURE GLAZING & DOOR WINDOW	28 CRORE APPROX
16	M/S SCK INFRA TECH	ECCG BUILDING	ANDHERI(E), MUMBAI	MQA	CPWD	ACP CLADDING, STRUCTURE GLAZING, DOOR WINDOW, GLASS, S.S DOOR, S.S SUBWAY & S.S RAILING WORK	9.1 CRORE APPROX



SAM (INDIA) BUILT WELL PVT. LTD.

Engineers Promotors & Developers

CIN : U70101DL1998PTC091859

23.12.2019

Ref. No. SAM/DMRC/CC-120/W.O. - 14/2019

Date

M/S. STEEL ARTS

RZ-16, H Block, Ashok Park,

West Sagarpur, New Delhi-110046

GSIN: 07ADRPC6653M2ZZ

E-mail ID: chauhansteelarts@yahoo.com

Kind Attention: Mr. Pawan Chauhan, Mo.: 9999424252, 9999663303

Dear Sir,

We are pleased to place the order for following Items along with the terms & condition mention below:

Sr. No.	Items	Unit	Rate (in Rs.)
8.13	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	Kg	300
8.14	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	Kg	310
8.22	Providing and fixing anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868. Minimum anodic coating of grade AC 15) sub frame work for windows and ventilators with extruded built up standard tubular sections of approved make conforming to IS: 733 and IS: 1285, fixed with dash fastener of required dia and size (Dash fastener to be paid for separately).	Kg	260

435, Jagriti Enclave, Vikas Marg Extn., Delhi- 110092, Tel. : 011 - 22163389, Telefax : 22163393

Website : www.samindia.com, E-mail : info@samindia.com

Terms & Conditions:

1. G.S.T. @12%.
2. Scaffolding will be provided by SAM INDIA.
3. Storage place will provided at site for material.
4. Fastener will be provided by SAM INDIA and fixing charges is included in above rates.
5. Glazing will be provided by SAM INDIA but the fixing is included in above rates.
6. Other fitting like Lock, Tower bolt, Handle etc. will be paid separately.
7. Monthly payment of work done will be made as per actual measurement at site on back to back basis.
8. 5% Security deposit will be deducted from R.A. Bill and same will be released after successful completion of work & Handing over to DMRC.
9. Our G.S.T. No.: 09AABCS7627K1ZX.

For SAM (INDIA) BUILT WELL PVT. LTD.



Authorized Signatory



कार्यालय कार्यपालक
अभियंता

O/o Executive Engineer

लोक निर्माण विभाग म.परि.म.-बी-131

PWD Building Project Division - B - 131

दिल्ली सरकार Government of Delhi

A Block, 1st Floor, Vikas Bhawan-II, Civil Lines, Delhi
ए ब्लॉक, प्रथम तल, विकास भवन-2, सिविल लाईन्स, दिल्ली

E-Mail : cepwddelhib131@gmail.com

Ph.: 23815015, Fax : 23813802



संख्या: 54(155)/ई.ई./बी-131/लो.नि.वि./16

दिनांक: 14/4/15

OFFICE MEMORANDUM

The Competent authority has approved following three specialised agencies for executing the item of "Aluminium Doors & Windows, ACP Panel cladding and structural glazing" in addition to agencies already mentioned in the different agreements for ongoing works under Building Project circle - B-13, PWD, Delhi.

1. M/s Steel Arts.
2. M/s V.K. Fabricators.
3. M/s K. S. V. Infra build.

Executive Engineer
Building Project Division B-131
PWD, Vikas Bhawan-II
Civil Lines, Delhi

Copy forward to :

1. The Project Manager, B-13, PWD, Ist- Floor, Vikas Bhawan-2, Delhi with copy of information please with respect to Letter No. 23/09/15/Pr.CE-B-1/Shaheed Sukhdev College/2225 dated -29/07/2015.
2. Executive Engineer, B-133, PWD, GNCTD Haiderpur, Shalimar Bagh, Delhi-110088 with copy of Letter dated - 29/07/2015.
3. Assistant Engineer, B- 1311, B-1313, B-1330 & B-1333.
4. M/s SAM India Built Well Pvt. Ltd, 435, Jagriti Enclave, Vikas Marg Extn., Delhi-110092 for information.
5. M/s B.L. Goel & Co. A-15 (Ground Floor) Jangpura Extension, New Delhi -110014.
6. M/s Parnika Commercial & Estate (P) Ltd. D-64, Himalaya House, 23, K.G. Marg, New Delhi-110001.
7. M/s MBL Infrastructure Ltd, Baani Corporate One, 303 & 308, 3rd Floor, Plot No. 5, Commercial Center, Jasola, New Delhi-110025.

Dated: 30.01.2017

ACC/AUDI/PUSA/Civil/Glazing work/ 2016-17 No- 01

SUB CONTRACTOR WORK ORDER
(GLAZING WORK)

To,
STEEL ARTS,
RZ-16, H-BLOCK,
ASHOK PARK, WEST SAGAR PUR,
NEW DELHI-110046,
PAN No: ADRPC6653M

Sub: Work order for the execution of "GLAZING WORKS" on back to back base in respect of all technical specification, descriptions pertaining to the items which shall be executed at our proposed site i.e. "C/O of Auditorium (Balance work) at NASC Complex, Pusa Road, New Delhi".

Ref: Your Quotation no. REF:- 84. Dated 07.01.2017

Dear Sir,
We are pleased to place work order after subsequent negotiation to your good self for the execution of "GLAZING WORKS" in accordance with the terms & conditions of the Contract Agreement under reference & additional terms and conditions as listed below.

SN	DESCRIPTION	Amount (In Rs)	REMARKS
1	The scope of your work & Total Cost of Work order - Refer As per annexure -A (this is part of work orders)	17794500.00	(Rupees one Crore Seventy Seven Lac Ninety Four Thousands Five Hundred Only)

Terms & Conditions-

- 1- The work should be execute & complete as per the specifications of RITES Ltd. & up to satisfaction of clients
 - 2- All rates are exclusive of all taxes
 - 3- Safety norms during the execution of works strictly should be implemented. If any accident occurred at site than total responsibility for accident will be lie in your part.
 - 4- Any type Advance subjected to approval of site in-charge & adjusted to recovered from RA bills
 - 5- RA bill to be submitted as per our main bill submission to clients
 - 6- TDS will be deduct from your bill
 - 7- Security/ Retention money will be deducted from each RA bills @ 5% & it will be released after DLP OF PROJECT. on satisfactory completion of project work.
 - 8- This is a time bond project & should be completed according to schedule. If any delay in this head & penalty oppose on us by client than same will be imposed on your part.
 - 9- Company will provide power point & water supply at one point.
- Make LIST for Main Items will be as per below further for other Items will be from make list of Rites Ltd.-**
- 1- For Spider Fittings- OZONE
 - 2- For ACP- Alucobond with mineral Core
 - 3- Aluminum Section- Jindal / Hindalco

Signature of sub contractor for acceptance
(with seal of company)

Signature of authorized person for approval



SAM (INDIA) BUILT WELL PVT. LTD.

Engineers, Planners & Developers

CIN : U70101DL1998PTC091859

Ref. No.

Date

TO,
STEEL ARTS,
RZ-16, H-BLOCK,
WEST SAGAR PUR, NEW DELHI,
DELHI-110046

DATE:-06-6-2016

SUB:-Work Order of ACP/Structural Glazing/Louver/Glass Work for Lucknow Metro Depot

Project.

Dear Sir

We are pleased to award you the work of ACP/Structural Glazing/Louvers/Glass work for Metro Work with the under mentioned term & condition:-

S.No.	Description	Rate	Qty	Total Approx
1	Providing and fixing external grade aluminium composite panel for cladding at all height and elevation including necessary aluminium composite panel consist of 3mm thermoplastic of anti oxidant LDPE sandwiched between two skin of 0.5 mm thick alloy sheet making a total sheet thickness of 4mm. The surface shall be finished with PDVF base coating on the reverse side shall be with polymer paint. the system shall be fixed to the masonry/RCC wall with necessary clamps, bracket and anchor fasteners. As per item no. 26.1	2800/SQM	1200/ SQM	3360000 Rs
2	Framing, erecting and Fixing structural glazing at all locations wherever required as per drawing and ordered by site Incharge. As per item no. 26.3	5300/SQM	4000 SQM	22260000 Rs
3	Framing, Fabrication, erection & Fixing of extruded aluminium fixed louvers. As per item no. 26.11	320/KGS	6000 KGS	1920000 Rs
4	Providing and fixing stainless steel (Grade 304) railing made of hollow tubes, channels, lates	330KGS	16000KGS	5280000 Rs

435, Jagriti Enclave, Vikas Marg Extn., Delhi- 110092, Tel. : 011 - 22163389, 65460162, Telefax : 22163393

Website : www.samindia.com, E-mail : info@samindia.com



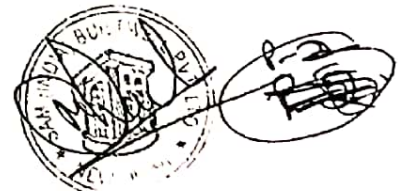
etc., including welding ,grinding, buffing , polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete , i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size , on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer- in- charge.(for payment purpose only weight of stainless steel member shall be considered excluding fixing accessories such as nuts , bolts , fasteners etc.).			
			3,28,20,000 = 00

Payment Condition:-

1. 5% security shall be deducted from each Running Bill which shall be released after 12month of successful completion of work.
2. TDS Shall be deducted as application.
3. These above rates are inclusive of labour and material charges.
4. Above prices are inclusive of all taxes.
5. Executing agency will be solely responsible for the accountability of the material issued to them . in case of any pilferage , unaccounted material cost shall be debited from the running bill.
6. Above prices are inclusive of lead up to 80m within site .
7. Transport shall be provided by company for shifting of material at one point.
8. Executing agency to get the line and level checked by the site in charge during installing the item.
9. Being a time bound project , contractor shall be accountable for timely completion of work unde his scope for the specified time.

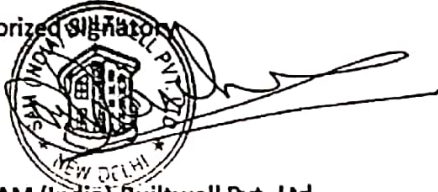
General Terms And Condition:-

1. All payments shall be done by cheque.
2. Any facility/ machinery/fuel provided shall be deducted on each running bill with overhead expenses of 10%.
3. Bill shall be submitted by the contractor by 30th of every month for smooth payments within fifteen days of submission of bill.
4. Above prices are inclusive of farming / erection /silicon/& cleaning of ACP/glass/ removal of protective tape as per the requirement of site incharge .
5. Above prices are inclusive argon welding/buffing/fixing and ,making the work wxecuted in good condition in all respect as per the requirement of respective site incharge.
6. ACP & glass material shall be properly stacked at site before placing.



7. Any damage incurred to company due to wrong workmanship shall be deducted from the running bill.
8. Safety of the labour shall be prime concern of the contractor. He shall be fully responsible for miss happening at the site all the PPE material is provide by the company and the contractor has to ensure proper utilization of that PPE.
9. Any penalty for non-compliance of PPE imposed by client/safety department shall be deducted from running bills of the contractor.

Authorized Signatory



For SAM (India) Builtwell Pvt. Ltd.



J.R.C. GRID ENGINEERS PVT. LTD.

CIVIL ENGINEERS, BUILDERS & CONTRACTORS

C-2/398, Pankha Road, Janak Puri, New Delhi- 110058

Phone : 25624766, 25551425 Fax : 25514497

E-mail : jrcgrid@gmail.com

Ref: JRC/DMRC/PC/7

September 18, 2018

M/s Steel Arts.
RZ-7, Sita Puri, 1st Floor,
Main Pankha Road,
Janakpuri (Opp. Khanna Hospital),
NEW DELHI 110045.

Sub: Supply & Installation works at DMRC Site, Badli, Delhi.

Dear Sir,

Reference your quotation and subsequent discussions held. We are pleased to confirm the work order for the abovesaid site as per following details :

S.No.	Description	Rate (per kg.)
1.0	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS:733 and IS:1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and joined mechanically wherever required including cleat angle, Aluminium snap beading for glazing/paneling CP Brass/stainless steel screws all complete as per Architectural drawings and the directions of Engineer-in-Charge.	
1.1	For fixed portion with powder coated aluminium (minimum thickness of powder coating 50 micron) including all fittings and accessories.	Rs.260/-
1.2	For shutters of doors, windows and ventilators including providing and fixing hinges/pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber/neoprene gasket required with powder coated aluminium (minimum thickness of powder coating 50 microns including all fittings and accessories.	Rs.275/-
2.0	Designing, providing, erecting and fixing structural glazing utilized using specially designed aluminium grade 63400 WP IS:733 and ID:1285 electro colour anodized 25 micron or pure polyester powder coated 65 microns in approved shade and colour through adequately designed MS galvanized/aluminium anchor brackets. The structural glazing design to be based on rain screen and pressure equalized drainage system. The complete drainage system to be incorporated in the design which drain water at every transom	Rs.5100/- per sqm.

	in the unlikely event that water penetrate the pressure seal. This include structural grade and weathering grade silicon sealant "Dow Corning" or "GE Silicon" or equivalent as per the design requirement. This includes structural designing, shop drawing complete, structural calculations and water penetration test as per (Structural Test Wind load serviceability) – ASTM E 330. Water Penetration Test – AAMA 501.2). The specified test is to be carried out only for location where executed qty will be more than 50 sqm in one go. The structure glazing shall be double glazed 23mm thick.	
3.0	Providing and fixing Aluminium compose panels in all colours of Alucobond/Alpolic or any other approved equivalent for external/internal wall cladding at all heights and elevations including necessary aluminium composite panel consist of 3mm thermoplastic core of anti oxidant LDPE sandwiched between two skin of 0.5 mm thick allow sheet making a total sheet thickness of 4mm. The surface shall be finished with PDVF base coating on the top side and service coating on the reverse side shall be with a polymer paint. Coating shall conform to ECCA of AAMA. The system shall design to withstand wind pressure of 200 kg/sqm and shall be fixed to the masonry/RCC wall with necessary clamps, bracket and anchor fasteners. All clamps and brackets shall be hot dip galvanized minimum 80 micron thick conformed to IS:4759 – 1996. The extruded aluminium sections shall be anodized in approved colour with anodic coating minimum 20 microns. Extruded section shall be of 6063 T5 of T6 alloy conforming to ASTM B221.	Rs.2100/- per sqm.

- The above rates are inclusive of all applicable taxes, duties, cartage, FOR etc. complete except GST.
- GST payable extra @ applicable rates.
- All work to be executed as per BOQ, GCC Specifications, drawings, requirements and instructions of DMRC.
- Scaffolding shall be provided by us at site.

Please acknowledge the same.

Thanking you,

Yours faithfully,
for JRC GRID ENGINEERS PVT. LTD.





SAM (INDIA) BUILT WELL PVT. LTD.

Engineers Promoters & Developers

CIN : U70101DL1998PTC091859

Ref. No. SAM/Sec/PWD/Workorder/25

Date 28/12/2015

To
M/s Steel Arts,
RZ-7, Sitapuri, Main Pankha Road,
Opp. Khana Hospital,
New Delhi-110045.

Name of Work: Construction of Shaheed Sukhdev College of Business Studies at PSP Area-IV, Sector-16, Rohini, Delhi-110085.

Sub -Head: Construction of Academic Block, Boys Hostel, Girls Hostel, Dinning Block, Auditorium Block, Residential Building including Civil, Electrical, Horticulture, E&M Services and development work.

Subject: Supply and fixing of Alluminium (Doors & Window) , Alluminium Composite Panels, Stainless Steel Sheet and Structural Glazing Work .

Dear Sir,

With reference to our discussion, we hereby confirm the above said order, it is intimated that your offer has been accepted on following terms & conditions:-

S. No.	Description	Qty (Approx)	Unit	Rate F.O.R. at site (Rs.)
1	Alluminium Doors and Windows	92000	Kg	305/-
2	Alluminium Composite Panel	4000	Sqm	2000/-
3	Stainless Steel Sheet	1400	Rmtr	700/-
4	Structural Glazing Work	200	Sqm	3200/-

Terms & Conditions:-

1. Measurement of work will be on back to back basis , as per the measurement done by the client the same quantity will be paid by you.
2. You have to maintain the work up to the maintenance period after completion of the work.
3. Rates are inclusive of all taxes and freight.
4. Time of completion of work is 6 months
5. The above rate shall be firm for entire contract period and no escalation shall be paid.
6. You have to arrange all the plants, machinery & other resources required for the execution of work.
7. The material, fitting, fixtures and other equipments will be used to you as per approved makes of material and manufacturers (as per the approved make list of PWD).
8. You will consider that time is essence of the contract & therefore this agreement is liable to be terminated with a notice of one week if execution of work lags behind for what so ever reasons, on termination of this acceptance, your claim if any will be settled only after completion of the entire work and you will not cause any hindrance to the execution of the work till its completion. Company decision in this regard will be final and bind upon you.

Atty


435, Jagriti Enclave, Vikas Marg Extn., Delhi- 110092, Tel. : 011 - 22163389, 65460163, Telefax : 22163393

Website : www.samindia.com, E-mail : info@samindia.com

9. P.F. , ESI shall be in your A/C if applicable.
10. Scaffolding & electricity will be provided by us at site only.
11. All safety measure will be taken as per contract. You will be fully responsible for any safety and quality issue at site.

As the work is of urgent nature , so you are requested to start the work as early as possible. Please signed one copy & return us as taken of your acceptance.
Assuring you our best co-operation always.

Thanking you,
For SAM (INDIA) BUILT WELL PVT. LTD.


Authorized Signatory



SAM (INDIA) BUILT WELL PVT. LTD.

Engineers Promoters & Developers

CIN : U70101DL1998PTC091859

Ref. No. SAM/S.S.C./P.W.D./work order/251 C.C.

Date 23/08/2016

Completion Certificate

This is certify that M/s STEEL ARTS was awarded a contract for Alluminium Work (Door & Window), Alluminium Composite Panel and Stainless steel Sheet (for expansion joint) work at **Construction of Shaheed Sukhdev College of Business Studies at PSP Area-IV, Sector-16, Rohini, Delhi-110085**. They have successfully completed the work costing approx Rs. 3.36 crores. They have been found professionally organized and they had employed skilled labour as required.

There performance found to be satisfactory. We wish them all success and prosperity in their new endeavors.

Authorized Signatory,

For SAM (INDIA) BUILT WELL PVT. LTD.

RAI BAHADUR RAGHBIR SINGH EDUCATIONAL SOCIETY

Office: J-Block, Sarita Vihar, Delhi-110076

(Near Delhi Jal Board Office)

REF: RBS/SV/14/156

DATED: 15th October, 2014.

To,
M/s Steel Arts,
RZ-18, Cali No-5,
Mohan Block, West Sagar Pur,
New Delhi-110046

Kind Attention: Sh. Pawan Chauhan

Subject: Work Order for ACP Work for our School Building at Block-J, Near Jal Board office, Sarita Vihar, Delhi-110076

Dear Sir,

We are pleased to offer you a work order for ACP work as the details given below:

No.	Work Description	Rate (in Rs.)
1	Providing and fixing 3 mm ACP having 0.25 mm Aluminium on both side on ACP sheet, having of approved shade and powder coating complete with dowcoming/godrej weather proof silicon sealant including screws etc. complete (As per approved design complete)	Rs. 1175/ Sq. mtr. Including tax, cartage, fixing, loading & unloading etc. complete

Thanking You,
Yours sincerely,

For RAI BAHADUR RAGHBIR SINGH
EDUCATIONAL SOCIETY

AUTHORISED SIGNATORIES

RAI BAHADUR RAGHBIR SINGH EDUCATIONAL SOCIETY
Office: J-Block, Sarita Vihar, Delhi-110076
(Near Delhi Jal Board Office)

August 14th, 2014

To,
M/S STEEL ARTS
RZ-7, SITAPURI, MAIN PANKHA ROAD
NEW DELHI-110045

Kind Attn: - Mr. PAWAN CHAUHAN
Contact No. 9999424252
Email :CHAUHANSTEELARTS@YAHOO.IN

WORK ORDER

Reference your tender and quotation dated 16/08/2014 and subsequent to our discussion along with our Project Management Consultant and negotiations. We are pleased to place the order for "Aluminium door and windows, ACP Cladding & Structural Glazing" for our project "G.D.GOENKA PUBLIC SCHOOL" at J-Block, Sarita Vihar, New Delhi-110076

SCOPE OF WORK

The scope of work shall be supply of labour and material for completing the required works in the facility as per the BOQ and drawings issued by the architects

CONTRACT

The contract for the Facade Work shall be "Item Rate" as per the bill of quantities.

The Contract Value is agreed to Rs.1,45,00,000/- (Rupees One Crores Forty Five Lacs Only). The Contract shall be "Item Rate" as per the bill of quantities. The contract value is inclusive of WCT, Service tax and labour Cess. However this amount of will be changed based on actual work executed.

Thanking You,

For Rai Bahadur Raghbir Singh Educational Society (Regd.)

Madan Lal
(Secretary)

RAI BAHADUR RAGHBIR SINGH EDUCATIONAL SOCIETY

Office: J-Block, Sarita Vihar, Delhi-110076

(Near Delhi Jal Board Office)

Date: 28.03.2015

COMPLETION CERTIFICATE

This is certify that M/s. STEEL ARTS was awarded a contract for Aluminium work (Like doors and windows), Structural Glazing work and stainless steel (like railing grating etc) work at G.D.Goenka Public School,J-Block,Sarita Vihar, New Delhi-110076. They have successfully completed the work. They have been found professionally organized and they had employed skilled labour as required.

They have successfully completed the work, there performance found to be satisfactory. We wish them all success and prosperity in their new endeavours.

Thanking You,

For Rai Bahadur Raghbir Singh Educational Society (Regd.)

Madan Lal

(Secretary)



SNG Electricals Pvt. Ltd.

- Consulting Engineers
- Technical Auditor
- Cost Management
- Electrical / HVAC, O & M Contractors

LETTER OF INTENT / CONTRACT AGREEMENT

Ref No: SNG/SA/CORP/026/2015-16

Date: 23rd March, 2015

M/s Steel Arts
RZ-7, Sita Puri, Main Pankha Road
Janak Puri, New Delhi-110045

Kind Attn.: Mr. Pawan Chauhan.

Dear Sir,

PROJECT: PART I (i.e. NPTMC Building at PGCIL-Manesar)

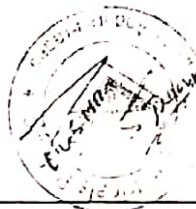
SUBJECT: LETTER OF INTENT FOR SERVICES FOR INTERIORS WORKS FOR THE PART I (i.e. NPTMC BUILDING AT PGCIL-MANESAR) OF THE PROJECTS "CIVIL AND OTHER WORKS PACKAGE ASSOCIATED WITH CONSTRUCTION OF BUILDING FOR NTAMC AND NPTMC AT MANESAR SUBSTATION, HARYANA.

REFERENCE: THE AWARD OF LUMP SUM SERVICE CONTRACT WITH NO COST ESCALATION BASED ON THE MEETING ON 12 MARCH 2015 WITH SNG AND AS PER MUTUALLY SIGNED TENDER SPECIFICATION AND DRAWINGS ALONG WITH THIS LOI.

We confirm our intention to appoint M/s Steel Arts herein after referred to as "Contractor" for Interiors Works of NPTMC Building at PGCIL-Manesar project for which we (M/s. SNGEPL). This is based on the final meeting with you dated 12th March 2015 and the subsequent final item rates along with the scope of work as sent by you which are attached for reference.

The Contract Value for the above mentioned works is estimated at INR. Rs. 13,790,205.00 (Rupees One Crore Thirty Seven Lac Ninety Thousand Two Hundred Five Only) which is inclusive of Service Tax as applicable but inclusive of all other taxes as applicable as per your final offer and confirmation dated 12th March, 2015. The contract value mentioned above is inclusive of labour, all taxes such as, work contract tax, turnover tax or any other taxes or duties applicable by any local body or corporation (duly authorised to collect), insurance of material valid up to satisfactory completion at our premises, insurance of worker/ personnel, all associated work required for completion in all respects and in accordance with the agreed tender specifications as sent to you. This contract is being awarded to you on Lump Sum basis, without any escalation, based on tender drawings as disclosed to you and shop drawings which will be issued to you by Principle Contractors time to time.

The date of commencement of work shall be reckoned as the date of this Letter of Intent including the mobilisation period. The points that were discussed and agreed are as listed below, which shall form a part of the contract:



C-17, C-Block UG Floor, Community Center, Janak Puri, New Delhi- 110058
CIN No.: U31901DL2012PTC232557 • Tel. : 011-32329424, 011-45712301 • Email : lpgupta.sne@gmail.com

TERMS OF PAYMENTS

Payment Terms will be as followed.

- 70% Payment after material being brought to site certified by Site Engineer/Project In-Charge or Client.
- 15% after Erection certified by site engineers/project In-Charge or Client.
- 10% after Successful testing and commissioning certified by site engineers/project In-Charge or Client.
- 5% after issue Completion certificate.

WORK OF SCOPE

- As per Annexure "A" or tender specification.

You are requested to sign this letter as a token of your acceptance of all the terms and conditions stated therein and return the duplicate copy to us.

We wish you all the best for your association with us to execute the work as per the quality desired and within the agreed time schedule.

Thanking you,

Yours faithfully,

For SNG Electricals (P) Ltd



I/we hereby declare that I/we have read and understood and agree on the above agreed terms and conditions, which have been issued as conditions of the contract.

Sign:

Name:

DATE:

SEAL OF THE COMPANY

L. No	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT
	INTERIORS WORKS- PART I				
	PARTITIONS & PANELLING :				
1	GLAZED PARTITION				
1.1	Providing and erecting in position full height fully glazed partition in curvature with 12mm thk bent glass in any shape fixed including patch fittings and SS floor channels including	Sqm.	145	9,305.00	1,349,225.00
1.2	Providing & fixing glazed partiton with 12 mm thk Electrochromatic glass to be fixed with Patch fittings including top & bottom patch fittings of approved make,	Sqm.	155	6,795.00	1,053,225.00
	All damages to the floor work to be reinstated without any extra cost including the cost of other fittings & fixtures & hardware such as spider panels, glass to glass contactors etc				
2	FULL HEIGHT DOUBLE SKIN PARTITION: -				
	Providing and fixing full height double skin partitions with 12mm thk Exterior Grade Particle Board on both sides of the aluminium frame as per drawings. Main frame shall be made				
2.1	Both sides of the partition finished with 4.0 mm thk approved veneer, finished with melamine polish of approved grade as per the drawing including designed grooves etc	Sqm.	170	4,340.00	737,800.00
2.2	One side of the partition finished with 4.0 mm thk approved veneer, finished with melamine polish of approved grade as per the drawing and the other side of the partition finished	Sqm.	320	4,111.00	1,315,520.00
3	FULL HEIGHT SEMI-GLAZED PARTITION: -				
	Providing and fixing semi glazed partitions with 12mm thk Exterior Grade Particle Board on both sides of the aluminium frame upto specified height but exluding the portion from				
3.1	Both sides of the partition finished with 1.5 mm thk approved laminate as per the drawing including designed grooves etc complete.	Sqm.	110	3,939.00	433,290.00
3.2	Both sides of the partition finished with 4.0 mm thk approved veneer, finished with melamine polish of approved grade as per the drawing including designed grooves etc	Sqm.	185	6,412.00	1,186,220.00
4	FULLY GLAZED PARTITION: -				
4.1	Providing and erecting in position full height fully glazed partiton in 12mm thk. design decorative coloured toughened glass fixed on Patch fittings including top patch fitting,	Sqm.	105	9,305.00	977,025.00
4.2	Providing and erecting in position full height fully glazed partiton in 12mm thk. Toughened glass fixed on Patch fittings including top patch fitting, bottom patch fitting, and	Sqm.	445	8,830.00	3,929,350.00
5	ACP FALSE CEILING: -				



	Providing and erecting false ceiling in ACP with 12 mm. thk commercial ply board backing on teak wood frame to be anchored to the main ceiling with cross runners tongued and grooved. The ply to be finished with approved 2mm thk interior grade ACP complete as per directions of the Engineer-in-charge	Sqm.	485	1,860.00	902,100.00
6	ALUMINIUM PANEL FALSE CEILING :				
	Providing and fixing Plain Aluminium Panel Ceiling of Natural satin colour consisting of panels 150mm wide x 17mm deep x 0.6mm thick, panel length up to 6 mtrs, coil coated on a continuous Paint Line, double baked and roll formed from enameled corrosion resistance Aluminium Alloy AA 3005 (Al.Mg) for higher strength and good roll forming characteristics. Panel shall be clipped to	Sqm.	645	1,772.00	1,142,940.00
	baked enameled Aluminium Panel Carrier of 34.5mm wide x 48mm deep x 0.95mm thick in standard lengths of 5 mtrs made of double baked enameled Aluminium Alloy AA 505 (Al.Mg) colour Black with cut outs to hold the panels in a module of 150mm at a distance of 1.2 mtr c/c. The panel carrier shall be mounted by means of 4 mm G.I rod at 1.2 mtr c/c. Paint Finish: Aluminium panels are chromatised & to be of perforated type for maximum bond between metal and paint, enameled twice under high temperature, one side with a full primer and finish coat in Natural satin colour (Code 7163), the other side (inner side) with a primer coating and skin coat on a Continuous Paint Line.				
7	STAIN GLASS CEILING:				
	Providing & erecting in position 10 mm thick stained glass in the ceiling with 50x50 mm second class teak wood frame to be anchored to the main ceiling with cross runners tongued	Sqm.	105	5,243.00	550,515.00
8	Providing and making plaster of paris cornices of required size, shape and approved pattern in the ceiling including filling the gaps with POP as per instruction of Engineer-in-				
8.1	75mmx75mm size	meter	1000	128	128,000.00
8.2	100mmx100mm size	meter	445	191	84,995.00
	TOTAL OF INTERIOR WORKS PART II				13,790,205.00





SNG Electricals Pvt. Ltd.

- Consulting Engineers
- Technical Auditor
- Cost Management
- Electrical HVAC, O & M Contractors

COMPLETION CERTIFICATE

In the event of any deviation / deficiency / discrepancy / defect, the same would be rectified by the vendor during the agreed Defect Liability Period.

Project	NFTMC BUILDING AT PGCIL-MANESAR
Package	Interior & Aluminum Work Part-I
Agency	M/s Steel Arts
Purchase Order Reference	SNG/SA/CORP/026/2015-16
Purchase Order Value (With Taxes)	INR 13,790,205.00
Final Executed Value of Contract	INR 14,686,890.00
Defect Liability Period	06 Months (From Dt. 19.05.2015 Onwards)
Reasons for Variations	As Per Site Requirements

As per the Contract ref.SNG/SA/COPR/026/2014-2015 dated 09th Oct, 2014 between M/s Steel Arts and M/s SNG Electricals Pvt.Ltd. The works have been duly inspected by Client and hereby on the day 19/05/2015 certify that 'Completion Certificate' of the works has been achieved within the meaning of the condition of contract to which this certificate related and to the satisfaction of architects and Consultants.

The works would now be in the defect liability Period of 06 Month/Year and would be co ordinate/driven by Client/Facility Management for any defects during this period.

For, SNG Electricals Pvt Ltd

(Project Manager-Contract)



For, Steel Arts

(Project Engineer)

Haushita

SNG Electricals Pvt. Ltd.

- Consulting Engineers
- Technical Auditor
- Cost Management
- Electrical HVAC, O & M Contractors

LETTER OF INTENT / CONTRACT AGREEMENT

Ref No: SNG/SA/CORP/026/2014-15

Date: 09th Oct, 2014

M/s Steel Arts
RZ-7, Sila Puri, Main Pankha Road
Janak Puri, New Delhi-110045

Kind Attn.: Mr. Pawan Chauhan.

Dear Sir,

PROJECT: PART I (i.e. NPTMC Building at PGCIL-Manesar)

SUBJECT: LETTER OF INTENT FOR SERVICES FOR INTERIORS WORKS FOR THE PART I (i.e. NPTMC BUILDING AT PGCIL-MANESAR) OF THE PROJECTS "CIVIL AND OTHER WORKS PACKAGE ASSOCIATED WITH CONSTRUCTION OF BUILDING FOR NTAMC AND NPTMC AT MANESAR SUBSTATION, HARYANA.

REFERENCE: THE AWARD OF LUMP SUM SERVICE CONTRACT WITH NO COST ESCALATION BASED ON THE MEETING ON 04th SEP 2014 WITH SNG AND AS PER MUTUALLY SIGNED TENDER SPECIFICATION AND DRAWINGS ALONG WITH THIS LOI.

We confirm our intention to appoint M/s Steel Arts herein after referred to as "Contractor" for Interiors Works of NPTMC Building at PGCIL-Manesar project for which we (M/s. SNGEPL). This is based on the final meeting with you dated 04th Sep, 2014 and the subsequent final item rates along with the scope of work as sent by you which are attached for reference.

The Contract Value for the above mentioned works is estimated at INR. Rs. 13,790,205.00 (Rupees One Crore Thirty Seven Lac Ninety Thousand Two Hundred Five Only) which is inclusive of Service Tax as applicable but inclusive of all other taxes as applicable as per your final offer and confirmation dated 04th Sep, 2014. The contract value mentioned above is inclusive of labour, all taxes such as, work contract tax, turnover tax or any other taxes or duties applicable by any local body or corporation (duly authorised to collect), insurance of material valid up to satisfactory completion at our premises, insurance of worker/ personnel, all associated work required for completion in all respects and in accordance with the agreed tender specifications as sent to you. This contract is being awarded to you on Lump Sum basis, without any escalation, based on tender drawings as disclosed to you and shop drawings which will be issued to you by Principle Contractors time to time.

The date of commencement of work shall be reckoned as the date of this Letter of Intent including the mobilisation period. The points that were discussed and agreed are as listed below, which shall form a part of the contract:



WORK ORDER

Ref: - MBL/ WO/Kalindi Kunj/2017

Dated: 25.04.2017

M/s: Steel Arts

Rz-7, Sila Puri, Main Pankha Road (opp Khanna Hospital) Janak Puri, New Delhi

PAN: ADRPC6653M

Ph. No

Mob.: +91-9999663303, 9999424252

Project: Construction of residential complex for judicial staff at sector-19, Dwarka, New Delhi.

Sub: Work order for supplying of Aluminum Sections

Dear Sir,

This has reference to your quotation dated 25.04.2017 and subsequent discussion held with you, we are pleased to place work order for the above cited project to undertake under mentioned work on the following terms & conditions, M/S. Steel Arts, who has been awarded this labour contract hereinafter, shall be referred as "PRW"

S.No.	Description of Item	Unit	Rates (In Rs.)	
			In Figure	In words
A	Aluminium work			
	Providing Aluminium Section for Door and Window as per Drawing	kg	210.00	Rupees Two Hundred & Ten only

Terms & Conditions:-

1) Taxes are extra as applicable (VAT 5%)

2) 100 % material cost will be paid after receiving material at site in good condition.

This work order is being issued in Duplicate copy. You are requested return the copy duly signed and sealed by you as token of acceptance of this work order with all terms & condition.


Thanking You.

Yours faithfully

For: MBL Infrastructure Ltd.

Lokesh Kumar
(Project Manager)

Agreed and accepted


For M/S Steel Arts

Dated: 06.04.2013

LOI: SPRPL/OF/12-13/ADPL-1

M/s. STEEL ART
New Delhi

Kind Attn.: Mr. PAWAN

Sub: WORK ORDER FOR FAÇADE WORK AT PLOT NO.228, UDYOG VIHAR
PH-I, NEAR TRIDENT HOTEL, GURGAON, HARYANA.

Dear Sir,

With reference to your offer for subject work and various discussions on the same, we are pleased to place work order for the aforesaid work as per price breakup & scope of work given here under:-

S.No.	Description	Total Qty.	Unit	Rate	Amount
1	Aluminum Works				
	Providing & fixing aluminum glazed windows and glazing as per elevation, units anodized in approved shade using high strength to weight aluminum sections of grade 63400 WP IS: 733 and IS: 1285 complete with 06+05 mm thick toughened Planitherm Satin Gray glass (Make Saint Gobain or approved equivalent. All windows & glazing provided with necessary hardware, fixtures and fittings (DORMA OR EQUIVALENT as per the satisfaction of architect). The fabrication of windows & glazing shall be done with all joints mitred, the outer frame, mullions and shutter frames joined with heavy-duty aluminum angle/ cleat and galvanized MS screws. Appropriate profiles of EPDM gaskets shall be inserted between aluminium frames/ beadings and glass as well as both inside and outside around periphery of the shutter to make the glazing tight including providing and fixing. Aluminium sub frame as per fixing arrangement shown in architectural drawings. Aluminum sections of DOMAL / Jindal / Hindalco or approved equivalent make.				
	Windows				
	For double glazed, please consider 6mm glass+12 mm vacuum gap + 5 mm glass. All glass to be considered as toughened				



Contd.. Page-2

1	Fixed double glazed	650	Sq.Mts	4000	2600000
2	Glass Railing with SS Handrail	35	Sq. Mts	10000	350000
	P&F 1000mm high railing with 75mm. SS (304) handrail with 14mm thk laminated clear glass (6mm + 6mm + 2mm. PVB Lamination) railing complete including bottom channel for anchoring to the true surface & all necessary hardware etc. as per design & instruction of the Architect.				
3	Aluminium Composite Cladding (Reynobond-France / Alucobond)				
	Providing & fixing aluminum Composite Sheet Cladding using 4 mm thick sheet consisting of a core of polyethylene sandwiched between two skins of aluminum alloy with outer surface in desired color coating of PVDF paint in fully automatic coil coating process in a tray and panel Open groove system, open groove to be created using silicone to make it water tight in Alucobond white colour. The PVDF coated finished surface to be factory protected with self adhesive peel off foil tested to withstand at least 6 months exposure to local weathering conditions. The composite sheet cut and bent to shaped profiles as required to, including framework, perimeter extrusions base frame, extruded stiffeners, expansion fasteners required for installation as per approved architect elevation drawing and other Architectural drawings/details and Architect's approval/ directions complete.. System to be tested for water leakages at site as per the satisfaction of Architect/PMC	70	Sq. Mts	4000	280000

Above mentioned contract rates are inclusive of all taxes of any nature whatsoever. You are requested to commence the aforesaid work. We expect a very good quality services/product/performance and to meet out the highest standard of operations in our project requirements. The address of the project is:-

AMBUJA CEMENT PVT LTD
 Plot No.228, Udyog Vihar Phase-I,
 Near Trident Hotel, Gurgaon, Haryana.

Project in-charge: Mr. CHARU SHEKHAR (09891140548) is Project in-charge for this project, please contact him for further action.

Total time period for completion shall be 30 days.

TERMS & CONDITIONS:-

- i. 30% Advance along with Work Order. ✓
2. Balance payment made within 7 days against submission of certified R/A bills. ✓

Contd.. Page-3

- ii. All payment shall be made after deducting applicable TDS as per Income Tax Act rules. (Please submit copy of PAN via email).
- iii. Storage space shall be provided at site for the storage of material, free of cost. ✓
- iv. Electricity shall be provided at site, free of cost. ✓
- v. Any wastage or damage of glass in scope of Steel Art, no extra payment shall be made for any damage or wastage.
- vi. If any material is purchased by SPRPL, same shall be recovered from your bills.
- vii. The contractor shall strictly follow all statutory rules and regulations in regards to latest labour laws and shall be responsible for payment of any compensation under the works contract act. The contractor shall maintain necessary records in respect of ESI & EPF contribution for his workers/employees. He should deposit these contributions to respective govt. authorities' regulation and submit the copy of challans as a proof of deposit.
- viii. 5% retention money shall be recovered from your each bill and same shall be released after completion of work.
- ix. The rates will remain firm throughout the contract & extended period if any and no escalation will be paid.
- x. The contractor shall be responsible to obtain insurance coverage of his workmen / materials engaged in work. The contractor shall provide the copy of the said policy.

This work order is being issued in your favour in duplicate. One copy of this work order is duly signed by you in token of your acceptance.

With regards

For SP-REPCON PVT LTD

(Auth. Signatory)

Agreed & Accepted
For STEEL ART

(Auth. Signatory)



CIN U74999DL2007PTC164320

SP REPCON PRIVATE LTD.

Regd Office 305 Vardhman Jay Pee Plaza, CC, Plot No.6 Sector-4, Dwarka, New Delhi-110075
E-mail sprepcon@gmail.com, Tel. No. 011-45873200, Telefax 011-25074587

COMPLETION CERTIFICATE

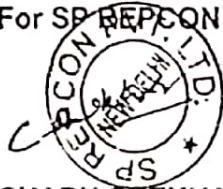
TO WHOM SO EVER IT MAY CONCERN

This is to certify that M/s. STEEL ARTS, having its registered office at RZ-7, Sitapuri, Main Pankha Road, Opp. Khanna Hospital, New Delhi-110045 has successfully complete the ACP Cladding, Aluminum Door and Window work for our Project at Ambuja Cement Ltd., Plot No. 228, Udyog Vihar, Phase-I, Gurgaon Haryana.

The work has completed to our entire satisfaction.

With Regards

For SP REPCON PVT LTD



CHARU SHEKHAR
(GM-Project)



CIN U74999DL2007PTC164320

SP REPCON PRIVATE LTD.

Regd Office 305 Vardhman Jay Pee Plaza, CC, Plot No.6, Sector-4, Dwarka, New Delhi-110075
E-mail sprecon@gmail.com, Tel. No. 011-45873200, Telefax 011-25074587

COMPLETION CERTIFICATE

TO WHOM SO EVER IT MAY CONCERN

This is to certify that M/s. STEEL ARTS, having its registered office at RZ-7, Sitapuri, Main Pankha Road, Opp. Khanna Hospital, New Delhi-110045 has successfully complete the Terrace Glass Fixing and Aluminum Fins work for our Project at Dushit Devrana Hotel, Plot No.1, Rajokri Extn, New Delhi-110037.

The work has completed to our entire satisfaction.

With Regards

For SP REPCON PVT LTD


CHARU SHEKHAR
(GM-Project)



SP REPCON PRIVATE LTD.

Regd. Office: 305 Vardhman Jay Pee Plaza, CC Plot No 6 Sector-4 Dwarka New Delhi-110075
E-mail: sprepcon@gmail.com Tel NO: 011-458732000 Telefax: 011-25074587

WORK ORDER

Ref.No.: WO/SRPL/2015-16/03

Date: 06.06.2015 .

M/s. STEEL ARTS
RZ-7, Sitapuri, Main Pankha road
Opp. Khanna Hospital, New Delhi-45

Kind Attn.: Mr. PAWAN CHAUHAN

Sub.: WORK ORDER WORK ORDER OF LOUVERS ("WORK") FOR DUSHIT D2
HOTEL IN AEROCITY, DELHI UNDER DELHI INTERNATIONAL AIRPORT.

Dear Sir

With reference to the discussions had with you regarding above mentioned work, we are pleased to place work order on you as per price breakup, scope of work and terms & conditions are given below:-

Scope of Work & Prices Break-up

S. No.	DESCRIPTION OF ITEM	Qty	Unit	Rate	Total Amount Rs.
1	Providing and fixing powder coated aluminum work for doors, windows, ventilators and partitions with extruded built up standard tabular sections and other sections of Jindal/ Mahavir make fixed with raw plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC / neoprene felt etc. Aluminum section shall be smooth, rust free, straight, mitered and joined wherever required including cleat angles, Aluminum snap beading for glazing / paneling, CP Brace / Stainless steel screws, all complete as per architectural drawing and the direction of EIC (Glazing and paneling to be paid for separately)				
a)	External Side - Cladding Work all work	1,000	Sqm	5800	58,00,000
	Total Rs.				58,00,000

Above mentioned contract rates are inclusive of all taxes of any nature whatsoever except service tax as applicable on total value of work done shall be paid extra on submission of paid challan. We expect a very good quality services/product/performance and to meet out the highest standard of operations in our project as per requirements. All defective or bad workman ship shall be rectify at your own cost. The address of the project is as:-

Contd... Page -2



SAM (INDIA) BUILT WELL PVT. LTD.

Engineers, Promoters & Developers

CIN : U70101DL1998PTC091859

Ref. No. SAM/WOR/NC-02/156

Date 07/06/2017

To,
Steel Arts,
RZ-16, H-Block
West Sagarpur,
New Delhi
Delhi - 110046

Subject:- Work Order of ACP/Structural Glazing/Louver/Glass works for Noida Metro Project.

Dear Sir,

We are pleased to award you the work of ACP/Structural Glazing/Louver/Glass works for Metro Work with the under mentioned terms & conditions:-

S.No.	Description	Rate
1	Providing and fixing external grade Aluminum Composite panels for wall cladding at all heights and elevations including necessary aluminium composite panel consist of 3mm thermoplastic core of anti oxident LDPE sandwiched between two skin of 0.5 mm thick alloy sheet making a total sheet thickness of 4 mm. The surface shall be finished with PDVF base coating on the top side and service coating on the reverse side shall be with polymer paint. The system shall be fixed to the masonry/RCC walls with necessary clamps, bracket and anchor fasteners. (items include cost of aluminium frame, ACP Panels, Cramps 110mm size, weather sealant, gasket, foam, fixtures, scaffolding, all machineries and any other fastening strips, nuts, bolts, rivets, washers, etc complete).	Rs.2250/Sqm
2	Framing, erecting and fixing structural glazing at all locations wherever required as per drawings and ordered by Site Incharge.	Rs 5800/Sqm
3	Framing, Fabrication, erection & Fixing of extruded aluminium fixed louvers.	Rs. 290/Kg
4	Fixing of Railing and other SS works	Rs 330/Kg
5	Providing and Fixing of Laminated Glass	Rs 5300/Sqm

Payment Conditions:-

1. 5% Security shall be deducted from each Running Bill which shall be released after 12 months of successful completion of work.
2. TDS Shall be deducted as applicable.

435, Jagriti Enclave, Vikas Marg Extn., Delhi- 110092, Tel. : 011 - 22163389, 65460163, Telefax : 22163393
Website : www.samindia.com, E-mail : info@samindia.com

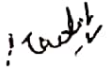
Working Conditions:

1. These above rates are inclusive of Labour and Material charges.
2. Above prices are inclusive of all taxes.
3. Executing agency will be solely responsible for the accountability of the material issued to them. In case of any pilferage, unaccounted material cost shall be debited from the running bill.
4. Above prices are inclusive of lead up to 80m within the Site.
5. Transport shall be provided by the company for shifting of material at one point.
6. Executing Agency to get the line and level checked by the site in charge during installing the item.
7. Being a time bound project, Contractor shall be accountable for timely completion of Work under his Scope for the specified time.

General Terms and Conditions:-

1. All payments shall be done by cheque.
2. Any facility / machinery/fuel provided shall be deducted on each running bill with overhead expenses of 10%.
3. Bill shall be submitted by the contractor by 30th of every month for smooth payments within fifteen days of submission of bill.
4. Above prices are inclusive of framing / erection/silicon/ & cleaning of ACP / Glass / Removal of protective tape as per the requirement of Site Incharge.
5. Above prices are inclusive of argon welding / buffing /fixing and making the work executed in good condition in all respect as per the requirement of the respective site incharge.
6. ACP & Glass material shall be properly stacked at site before placing.
7. Any damage incurred to company due to wrong workmanship shall be deducted from the running bill.
8. Safety of the labour shall be the prime concern of the contractor. He shall be fully responsible for any miss happening at the site as all the PPE material is provided by the company and the contractor has to ensure proper utilization of that PPE.
9. Any penalty for non-compliance of PPE imposed by client/ safety department shall be deducted from running bills of the contractor.

Thanking You


Mudit Agarwal
(Authorised signatory)

SITE DETAILS

Block - 4, BLOCK - ASHOK PARK
WEST NAGAR, NEW DELHI - 110028

PAN NO: ADRPC 6653M

Sub: Approval of Labor Rates

Name of Work: Govt NCC Bhawan at Sector - Rohini, Delhi

DATE: 8/

With reference to your quotation and our discussions in the subject matter, we are pleased to place our orders on you to carry out the work at the following agreed rates indicate against each job under the terms and conditions laid down below

Rates			
S. No.	Description of works	Unit	Agreed Rates (Rs.)
1	Supply only Aluminium Section of required size for doors, window, ventilators frame & Shutter.	Kg	225 + Vat 5% = 236.25
2	Fabrication and fixing only as per opening size complete	Kg	105 + S.T. 15% = 120.75

Other Terms & Conditions:-

- That you will be liable to pay your labor, as per labor rates applicable to this area or minimum wages etc. The company shall not be responsible for the payment of any type of compensation arising out of any account loss of life, damage, liability directly or indirectly caused to any workmen deployed by you at site of work.
- That we will deduct an amount of 5% on account of retention money from your RA Bill, which will be released to you after 12 month of completion of building.
- That income tax will be deducted from your RA Bill at 1.00% as per Income tax act.
- That you are liable to submit Muster roll as and when required by us, as proof of payment made by you to your labor.
- That the payment of labor will be made in presence of your representative.
- That you will provide us that proof of your permanent residence address/phone no./photo copy of your PAN Card.
- That we will deduct 1% from your RA Bill, on account of advance payment of work.
- That if you can't not achieve your target within given time schedule in that case you will be liable for a penalty of Rs 5000/- per day from the date through as account payees cheque only. Please submit us your bank account details.

... .. made due account payees
... .. as you
... .. responsible for either with labor or with labor
department
k) That other terms & conditions will be as per rules

Accepted

Thanking you

Yours faithfully,
L.P. Parika Commercial & Estates (P) Ltd.

(Signature of Petty Contractor)

(Authorised Signatory)

cc: STEEL ARTS

Date : -----
Place : Delhi

WORK ORDER



No: MBL/WO/Kalindi/ 2015/459
Date: 03.02.2016

Steel Arts
RZ-7, Sitapuri,
Main Pankha Road,
Opp. Khanna Hospital, New Delhi-47

Email ID: chauhansteelarts@yahoo.in

Kind Atten. Mr. Mr. Pawan Chauhan #09999663303/09999424252

PAN -

Project :- Construction of Metro- Depot for DMRC at KalindiKunj (DMRC- Project), Delhi.

Subject: Work Order for Fixing of Aluminum Sections

Dear Sir,

With reference to your quotation and subsequent discussion with you, we are pleased to place the work order to you on the following terms and conditions:

A. Definitions and Interpretations:

- Project :** Construction of Metro- Depot for DMRC at KalindiKunj (DMRC- Project), Delhi
- MBL Infrastructure Ltd.**
DMRC Project KalindiKunj
Depot Near ShahenBagh,
Opp. Park Avenue, Delhi
TIN NO - 07090295739
- Contact Person:**
Mr. L. D. Kaushik #09811517443
Mr. Daksha #09540661119
Mr. Rajesh Pareek #8100449486
- Client :** Metro- Depot (hereinafter referred as DMRC-Project).
- Contractor :** MBL Infrastructures Limited (hereinafter referred as MBL) who has been awarded the project by DMRC- Project, KalindiKunj (Delhi).
- Price Rate Contract:** The contract (Work Order) signed between MBL and Steel Arts for doing Aluminium Work on item rate (Cost of labour for manufacturing & fixing with all machinery etc. all complete)
- Price Rate Contractor:** Steel Arts (hereinafter referred as PRW) who has been awarded contract for doing Aluminium Work by MBL.
- Engineer in-charge :** The Project Manager MBL.

MBL Infrastructures Ltd.

CIN-L27109WB1995PLC073700

Corporate Office : Baeni Corporate One, 303&308, 3rd Floor, Plot No. 5, Commercial Centre, Jasola, New Delhi-110025 Tel. : +91-11-49593300 - 10, Fax : +91-11-49593320 Email : delhi@mblinfra.com
Regd. Office : "Divine Bliss", 2/3, Judges Court Road, 1st Floor, Kolkata - 700 027. Tel. : +91-33-33411800, Fax : +91-33-33411801, Website : www.mblinfra.com

Specification : As per contract between MBL & DMRC- Project.



Drawings : The drawings issued and / or approved by DMRC/ their consultant.

B. Scope of work:

Work is to be executed as per Drawings and Specifications of the Contract with the Client. A copy of applicable technical specifications is attached which shall be complied in all respect by you.


C. Bill of Quantities:

S.No	Description of the Item	Unit	Quantity	Rate	Amount
1.	Labour charges for fixing of Aluminium Sections for Doors, Windows & Ventilators and partitions with extruded built up standard tubular sections I appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/ paneling. C.P. brass/ stainless steel screws (Make: Jindal) The cost of all hardware fittings like CP brass/ S.S. screw, Tower bolts, handle, dash fastener, friction hinges etc. complete & with fixing of Glass with Rubber beading (Glass and Rubber beading in MBL scope). CP brass / stainless screws at all floors, nothing extra shall be paid.				
1.1	(A) For Fixed portion				
1.1.1	Fixing Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 microns including fixing of glass, hardware fittings etc. complete in all respect.	Kg	7236 Kg	20.00 (Rupees Twentyonly)	144,720.00

MBL Infrastructures Ltd

CIN-L27109WB1995PLC073700

Corporate Office : Bagan Corporate One, 303&308, 3rd Floor, Plot No. 5, Commercial Centre, Jasola, New Delhi - 110028. Tel: +91-11-45833388 - 88, Fax: +91-11-45833388
Regd. Office : "Divine Bliss", 2/3, Judges Court Road, 1st Floor, Kolkata - 700 027. Tel: +91-33-33441888, Fax: +91-33-33441888

				 Creating Highways to Success	
2.0	Labour charges for fixing of Aluminium sections for Shutters of Doors, Window & Ventilators including providing & fixing hinges/pivots for fixing of fitting wherever required, including the cost of EPDM rubber/neoprene gasket required. The cost of all hardware fittings like CP brass/ S.S. screw, Tower bolts, handle, dash fastener, friction hinges etc. complete & with fixing of Glass with Rubber beading (Glass, Rubber beading in MBL scope).				
2.1	(B) Openable Portion:				
2.1.1	Fixing Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 microns including fixing of glass, hardware fittings etc. complete in all respect.	KG	1364 Kg.	20.00 (Rupees Twenty only)	27,280.00
				Grand Total	172,000.00
(Rupees One LacSeventy Two ThousandOnly)					

D. Rate and Mode of Measurement:

Work to be carried out as per specification of the contract between MBL & DMRC. Work is to be carried out as per the instruction of the Supervisor / Consultant and Project Manager, MBL. The rates mentioned herein are firm and fix for entire duration till the completion of work. The rates are also including, cost of labour inputs, cost of machinery, tools and tackles, Insurance of your men and machinery, overheads, profits, all statutory levies, cost of meeting all obligations and other incidental expenses.

The measurement of payment shall be made for least of the following:

1. The quantities certified by the Engineer-in-Charge or his appointed representative.
2. The quantities certified and accepted for payment by client (DMRC).

E. Methodology and Work Plan

It is the responsibility of PRW to submit detailed methodology for implementation of work including schedule of deployment of manpower and machineries to execute the work in stipulated timeframe before start of the work.

MBL Infrastructures Ltd.

CIN-L27109WB1995PLC073700

Corporate Office : Bani Corporate One, 303A/308, 3rd Floor, Plot No. 5, Commercial Centre, Jocola, New Delhi-110025 Tel : +91-11-49593300 - 10, Fax : +91-11-49593320 Email : delhi@mblinfra.com
 Regd. Office : "Divine Bliss", 2/3, Judges Court Road, 1st Floor, Kolkata - 700 027. Tel. : +91-33-33411800, Fax : +91-33-33411801, Website : www.mblinfra.com

Order No.: MBL/WO/15-16/2718

Date: 30.01.2016

WORK ORDER



To,
Steel Arts
RZ-7, Sitapuri,
Main Pankha Road,
Opp. Khanna Hospital, New Delhi-47

Email ID: chauhansteelarts@yahoo.in

Kind Attn: Mr. Pawan Chauhan #09999663303/09999424252

Sub: Work order for supply, Fabrication & Installation of Stainless Steel Railing -(SS-304) (Make: Jindal) for overhead Water Tank

Dear Sir,

With reference your quotation and our discussion with you, we are pleased to place our work order for the **Supply, Fabrication & Installation of Stainless Steel Railing- (SS-304) (Make: Jindal) for overhead Water Tank** on the terms and conditions given below:

A. Price / Scope of Supply

S. No	Description of Item	Unit	Qty.	Unit Rate	Amount(INR)
1.0	Supply, Fabrication and Installation of Stainless Steel Railing (SS-304) made out of Hollow tubes, channels, plates of make Jindal Stainless (JSL) having 38.1mm dia and 2.5mm thick stainless steel uprights as a balusters to be welded/ screwed suitably with the insert plates embeded in R.C.C. staircase along with 100mm S.S. shoe as shown in attached drawings. The staircase will have 2 nos. of 50.8mm dia stainless steel hand rails also as shown in attached drawing. The work includes welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete. i.e fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc. of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer- In charge and as per attached approved drawing as Annexure- A .	Kgs	1200	336	403,200.00
Total :					403,200.00
Grand Total :					403,200.00
(Rupees Four Lac Three Thousand Two Hundred Only)					

MBL Infrastructure Ltd.

CIN-L27109WB1995PLC073700

Corporate Office : Bani Corporate One, 303&308, 3rd Floor, Plot No. 5, Commercial Centre, Jasola, New Delhi-110025 Tel. : +91-11-49593301 10, Fax : +91-11-49593320 Email : delhi@mbfinfra.com
Regd. Office : "Divine Bliss", 2/3, Judges Court Road, 1st Floor, Kolkata - 700 027. Tel. : +91-33-33411800, Fax : +91-33-33411801, Website : www.mbfinfra.com

Page 25 of 22

Order No.: MBL/WO/16-17/355

Date: 21.05.2016



WORK ORDER

To,
Steel Arts
RZ-16, Block- H,
West Sagarpur, New Delhi- 110046
TIN NO. 071803892844

Email ID: chauhansteelarts@yahoo.in/ jkdelhi1@gmail.com

Kind Attn. Mr. Pawan Chauhan #0999424252/0999663303

Sub: Work order for Supply, Fabrication & Installation of Stainless Steel Railing- (SS-304)
(Make: Jindal)

Dear Sir,

With reference your quotation and our discussion with you, we are pleased to place our work order for the **Supply, Fabrication & Installation of Stainless Steel Railing- (SS-304) (Make: Jindal)** on the terms and conditions given below:

A. Price / Scope of Supply

S. No	Description of Item	Unit	Qty.	Unit Rate	Amount(INR)
1.0	Supply, Fabrication and Installation of stainless steel (Grade 304) Railing made of Hollow tubes, channels, plates etc. Including welding, grinding, buffing, polishing and making curvature and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc. of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of engineer - in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners) Handrail pipe 50.8 mm dia and thick 1.58 mm, Horizontal Tubular member (In 3 rows) 16mm dia 1.58mm thk , upright Balusters 38.1mm dia and 3.18mm thick .	Kgs.	5800	336	1,948,800.00
Total :					1,948,800.00
Grand Total :					1,948,800.00
(Rupees Nineteen Lac Forty Eight Thousand Eight Hundred Only)					

B: Terms & Conditions

1 Price Basis

: FOR at our site.

2 Payment

: 25% Payment alongwith work order against security cheque, & balance after fixing of railing at our site and approval of Client, qty. paid by Client to MBL same will be paid to you only.

MBL Infrastructures Ltd.

CIN-L27109WB1995PLC073700

Corporate Office : Baani Corporate Cne, 303&308, 3rd Floor, Plot No. 5, Commercial Centre, Jasola, New Delhi-110025 Tel : +91-11-49593300 - 10, Fax : +91-11-49593320 Email : delhi@mblinfra.com
Regd. Office : "Divine Bliss", 2/3, Judges Court Road, 1st Floor, Kolkata - 700 027. Tel. : +91-33-33411800, Fax : +91-33-33411801, Website : www.mblinfra.com

WORK-ORDER

No: 02 / 099 / 5000 / 02033 - 1 / 2016 / 100
Dated:- 16.02.2016



M/S Steel Arts
RZ-7, Silapuri
Main Pankha Road,
Opp Khanna Hospital, New Delhi - 110047

Email ID: chauhansteelarts@yahoo.co.in

(Kind Attention: Mr. Pawan Chauhan)

Contact No: 09999663303 / 09999424252

PAN No:

Project: Construction of residential complex for judicial staff at Sector-19 Dwarka, New Delhi.

Subject: Work Order for doing powder coating of aluminium sections, fabrication and fixing of Aluminum doors, window, ventilator

Dear Sir,

With reference to your quotation and subsequent discussion with you, we are pleased to place this work order to you on the following terms and conditions:

A. Definitions and Interpretations:

Project	:	Construction of residential complex for judicial staff at sector-19 Dwarka, New Delhi
Client	:	PWD, Govt of Delhi
Contractor	:	MBL Infrastructures Limited (hereinafter referred as MBL) who has been awarded this project by PWD, Govt of Delhi.
Price Rate Contract	:	The contract (Work Order) signed between MBL and M/S Steel Arts for doing Aluminium Work on item rate (Cost of labour for doing powder coating, fabrication & fixing of doors, windows, ventilator with all machinery etc. all complete)
Price Rate Contractor	:	M/S Steel Arts (hereinafter referred as PRW) who has been awarded contract for doing Aluminium Work by MBL
Engineer in-charge	:	The Project Manager MBL
Specification	:	As per contract between MBL & PWD.
Drawings	:	As per the approved drawing issued by the PWD, Govt of Delhi or the consultant

B. Scope of work:

Work is to be executed as per Drawings and Specifications of the Contract with the Client. A copy of applicable technical specifications is attached here with as Annexure - I; which shall be complied in all respect by you.

C. Bill of Quantities:

Item No	Description of the Item	Unit	Rate (In Rs.)	
			In figure	In words
	Labour charges for cutting, fabricating, fitting and fixing in position of aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections / appropriate Z sections and other sections, fixed with dash fasteners of required dia and size including necessary filling of			

MBL Infrastructures Ltd
CIN-L27109WB1995PLC073700

Page 1 of 5

Corporate Office: B-2/1 Corporate One, 303&308, 1st Floor, Plot No. 5, Commercial Centre Jasola, New Delhi-110025 Tel: +91-11-49593300 10, Fax: +91-11-49593320 Email: delhi@mblinfra.com
Regd. Office: "Divine Bliss" 2/3, Judges Court Road 1st Floor, Kalkata 700 027 Tel: +91-33-33411800, Fax: +91-33-33411801 Website: www.mblinfra.com

Item No	Description of the Item	Unit	Rate (In Rs.)	
			In figure	In words
	<p>the gaps at the junctions i.e. at top, bottom and sides with required EPDM rubber / neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, milled and joined mechanically wherever required including bead angle. Aluminium snap beading for fixing of glass (cut to required size) with rubber gasket or steel jali (cut to required size) with snap bearing with CP Brass / stainless screws, including fixing of necessary fittings (friction stay lock handle, tower bolts, EPDM rubber / neoprene gaskets as required all complete), as per Architectural drawings as per instructions of Project Manager / Client.</p> <p>Labour charges is for filling the gap in between aluminium frame & adjacent RCC / Brick / Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Project manager complete - 5 mm depth and 5 mm width.</p> <p>{ All material required for execution of work shall be issued to the "PRW" at MBL's store located at the above project site, "PRW" shall be responsible for cartage of material from MBL's Store to his fabrication yard to the place where the work is to be executed and nothing extra shall be paid on this account or any other account}</p> <p>Cost of doing Powder Coating (PP) 50 Micron on aluminium section of different size & shape (powder make Akzonobel / Jotun make).</p> <p>Job includes the cost of doing powder coating of sections of different size and shape labour cost, machinery cost cost of powder coating material, cost of wrapping the sections after doing powder coating with proper approved self-adhesive non staining tapes and transportation of the wrapped / packed material from work shop (powder coating shop) to our project site of work including carriage, loading, unloading etc all complete.</p> <p>NOTE:- This Rate is inclusive of cost of all the operations described under para A & B above and nothing extra shall be paid.</p> <p>(Payment shall be made on the basis of weight of the aluminium fabricated frame (without glass, steel jali, fittings & neoprene gaskets). For making intermediate payment, part payment shall be made against fabricated items. Part rate shall be decided by the Project Manager)</p>			
1.1	For fixed portion	Kg	70.00	Rupees seventy only
	For shutters of doors windows & ventilators including fixing hinges / pivots and making provision of fittings wherever required with EPDM rubber / neoprene gasket required	kg	70.00	Rupees seventy only
2.0	Labour charges for fixing aluminium grill (anodized transparent or dyed to required shade according to Is : 1868 with minimum anodic coating of Grade Ac 15 of approved design / pattern, with approved	Kg	45.00	Rupees forty five only

Item No	Description of the Item	Unit	Rate (In Rs.)	
			In figure	In words
	<p>standard section and fixed to the existing window frame with C.P. Brass / stainless screws @ 200 mm centre to centre including cutting the grill to proper opening size for fixing and operation of the handles and fixing approved anodized aluminium standard section around the opening. All complete as per requirement and direction of the Project.</p> <p>(Only weight of grill to be measured for payment.)</p> <p>(All material required for execution of work shall be issued to the 'PRW' at MBL's store located at the above project site. 'PRW' shall be responsible for cartage of material from MBL's Store to his fabrication yard to the place where the work is to be executed and nothing extra shall be paid on this account or any other account)</p>			

C. SPECIALS CONDITIONS

- (i) M/S Steel Arts shall be responsible for submission of the shop drawing based on the Architectural drawings to MBL for onward submission to the Client for approval. M/S Steel Arts shall extend full cooperation to MBL in obtaining approval of shop drawing from the Client.
- (ii) M/S Steel Arts before taking up mass fabrication work shall prepare samples of doors, windows, ventilator and louvers etc fabricated assembled and submitted to the MBL for obtaining approval from the Client. Mass fabrication work is to be started after the samples are approved by the Client.
- (iii) Service tax (if payable) shall be paid extra.
- (iv) Aluminium section for doing the powder coating shall be delivered at your factory and acknowledgement receipt of the same shall be given by you to MBL at the time of receipt of material by you.
- (v) Wrapped aluminium section after doing the powder coating shall be returned by you to Project Manager or his representative after doing the weight at the weighment bridge (decided by the Project Manager) and receipt of the same shall be obtained by you.
- (vi) Weight of aluminium sections after powder coating shall increase by 1.5% to 2.0%. This increase in weight shall be taken in to account while comparing the quantity given to you and quantity returned by you.
- (vii) All the material required for execution of the work shall be issued to you from MBL's store after obtaining acknowledgement from you. Scope of cartage of material from MBL's Store to your fabrication yard and then cartage of fabricated doors, windows, ventilators, glass, Steel jail, fixtures etc from fabricated yard to the work place i.e in any flat situated at any floor shall be in your scope and nothing extra shall be paid on this account or any other account.
- (viii) Reconciliation statement of the material issued to you free of cost shall be provided by you monthly / with every R/A Bill and the excess quantity if taken by you shall be recovered from your bill @ Landing cost of the material at site plus 5% handling charges.
- (ix) Salvage of aluminium shall be the property of the MBL.

D. Rate and Mode of Measurement:

Work to be carried out as per specification of the contract between MBL & PWD. Work is to be carried out as per the instruction of the Supervisor / PWD and Project Manager, MBL. The rates mentioned herein are firm and fix for entire duration till the completion of work. The rates are also including, cost of labour inputs, cost of machinery, tools and tackles, insurance of your men and machinery, overheads, profits, all statutory levies, cost of meeting all obligations and other incidental expenses.

The measurement of payment shall be made for least of the following

1. The quantities certified by the Engineer-in-Charge or his appointed representative
2. The quantities certified and accepted for payment by client (PWD).

Signature

E Methodology and Work Plan

It is the responsibility of PRW to submit detailed methodology for implementation of work including schedule of deployment of manpower and machines to execute the work in stipulated time frame before start of the work.

F Part Rate payment

Part rate for payment shall be decided by the Project Manager keeping in view the quantum of the work executed in proportion to the total quantum of work of the item.

G Payment of bill

R A Bill may be raised monthly on the certified quantity of client /consultant considered in the RA Bill for the payment purpose. The same shall be settled within two week after proper verification and certification by our engineer. The payment shall be made as per following schedule after certification by our Engineer-in Charge after deduction of retention money and statutory deduction.

- 1 The 90% payment of certified R A. Bills shall be paid on 10th (Ten) day from the date of its certification by Project manager and the balance shall be paid after receipt of payment from the Client.
- 2 10% (Ten percent) retention deposit from each running bill shall be deducted. This security deposit can be released in full, if bank guarantee of equivalent amount for two years is produced and deposited with the department.
- 3 The statutory deduction shall be made as applicable from time to time such as TDS etc. Service Tax shall be paid extra as per Govt. Norms.

H. Guarantee Bond

All Aluminium work shall carry to your guarantee after completion of the work against water leakage, workmanship and defective anodizing as per guarantee bond at annexure-II.

Two years guarantee in prescribed Performa attached at annexure-II must be given by the specialized firm, which shall be counter signed by the MBL, in token of his overall responsibility in addition 10% (Ten percent) of the cost of these items would be retained as guarantee to which the performance of the work done. If any defect is noticed during the guarantee period it should be rectify by the contractor within seven days, and if not attended to the same will be got done from another agency at the risk and cost of the contractor. However, this security deposit can be released in full, if bank guarantee of equivalent amount for two years is produces and deposited with the department.

I. Non Performance

in case you do not commence the work or do not progress satisfactorily or you do not maintain quality of work or do not comply our instructions, MBL reserved the right to take following remedial measures

- 1 Forfeit retention deposit
- 2 Get the work done through another agency at your risk and cost
- 3 Reduction in scope of work
- 4 Termination of work order for piece rate work by serving 3 days' notice without any financial implications.

J. Other General Terms & Conditions

- Above Rate is based on quantity basis as per actual work executed & measurement certified at site by Engineer-in Charge
- The works shall be completed within 15days
- Labour employed at site shall be at the sole responsibility of PRW for their welfare, safety/ health as and any type of medical ailment
- Labour employed at site shall be verified and have their authenticity for their belongings and PRW shall be having their address proof and be checked for their identity and whether any police complaint anyone's name is there or not
- The work order is liable for termination at the discretion of MBL if the progress not is achieved as per work program

- If any deficiency is found in your services are liable for termination by giving 3days' notice in writing. The decision of our projects officials shall be final and binding in this regard.
- This shall in no way treated as a sub contract to you for the work and no right shall accrue to as a sub-contractor of PRW.
- There will be no escalation on account of increase in market rates of labour and material.
- You shall provide proper safety arrangements to your workers at working site.
- Store with locking arrangement shall be provided free of cost for storing tools, tackles materials and equipment. You will be responsible for the safety of your material and machinery.
- It is deemed that 'PRW' has visited site and made proper investigation before quoting the offer for the work. PRW is aware of working condition, resources of material, weather conditions and acquainted with surrounding of project.
- No claim for damages on account of rain or any other natural calamity and delay in work due to any type of hindrance are payable under any circumstance.
- 'PRW' has to mobilize good quality, experienced labour and equipment in good condition for above work.
- All safety & protection required for the workmen, plants, machines and services must be ensured and in case these get damaged, 'PRW' will repair / replace these at his own cost. On the whole, work shall be carried out by ensuring thorough safety requirements of the work environment.
- All care must be taken to save the property of public, public life and utility. Any default in such work, action, will be enforced as per rules and laws of the Govt. and as per Specification.
- No idle charges shall be paid to 'PRW' whatsoever are the reasons for that of labour, Manpower, machineries etc.
- 'PRW' shall not to sublet full or any part of the work in any condition.
- 'PRW' shall be responsible for the watch and ward of his material, T & P and machinery etc.
- Any dispute arising out of this work order shall be solved by amicable resolution, within 30 days, failing this; they shall be resolved by an arbitrator as per Indian arbitration act 1996 by a sole arbitrator to be appointed by Chairman of MBL. The venue of arbitration shall be New Delhi. The language of arbitration shall be English and Delhi court shall have exclusive jurisdiction.
- Rates quoted by the Contractor are inclusive of all material and labour cost involved in execution of the work, & other machineries required for execution of the work. Rates are inclusive of all taxes, levies etc. and nothing extra shall be paid by the MBL on any account.
- Rates are applicable for all floor of the building and no lift charges shall be paid.
- Rates are inclusive of scaffolding work required for carry out the said job.
- Defects pointed out during execution or after completion of the work shall be rectified by the 'PRW' at his cost.
- Electricity and water will be provided free of cost at one point only. However if any extension is required wires / cables / pipes shall be arranged by the contractor at his own cost.

This work order is being issued in Duplicate copy. You are requested to return one copy of the same duly signed and sealed by you as token of acceptance of this work order with all terms & condition.

Thanking you,

Yours faithfully,
For MBL Infrastructures Ltd.

(Sham Lal)
Deputy General Manager

Agreed & Accepted

Pawan Chauhan
(M/S Steel Arts)
(Authorized Representative)



SAM (INDIA) BUILT WELL PVT. LTD.

Engineers Promotors & Developers

Ref. No. SAM/MIK/N/DMRC/137 CIN: U70101DL1998PTC091859

Date 26.03.2015

To,
STEEL ARTS,
RZ 7, Sitapuri,
Main Pankha Road,
Opp. Khana Hospital
New Delhi 110045

Name of Work: Contract CC-37: Civil works for construction of Mukundpur Metro Depot cum workshop for Mukundpur - Yamuna Vihar Corridor, Line-7 of phase-III Delhi MRTS.

SUB:- Supply and fixing of Aluminum(Doors & windows with glazing), Aluminum composite panels and stainless Steel work.

Dear Sir,

With reference to our telephonic discussion, we hereby confirm the above said order. It is intimated that your offer has been accepted on following terms and conditions.

S.No.	Description	Qty.	Rate F.O.R. Site
1	Aluminum Doors and Windows	30000.00 Kg.	Rs. 300.00/kg
2	SS work	1000.00 Kg.	Rs. 335.00/kg.
3	Aluminum composite pannels	3000.00 Sqm.	Rs. 2000.00/sqm

Terms & Conditions:-


1. Measurement of work will be on back to back basis, as per the measurement done by the client the same quantity will be paid to you.
2. You have to maintain the work up to the maintenance period after completion of work
3. Taxes extra as applicable
4. Time of completion of work is 6 months.
5. The rates are firm and no escalation over and above rates quoted/accepted by you is admissible.
6. You will consider that time is essence of this contract & therefore this agreement is liable to be terminated with a notice of one week if execution of work lags behind for what so ever reasons. On termination of this acceptance, your claim if any will be settled only after completion of the entire work and you will not cause any hindrance to the execution of work till its completion. Company decision in this regard will be final & bind upon you
7. You have to arrange all the plants, machinery & other resources required for the execution of work
8. The material, fittings, fixtures and other equipments will be used by you as per approved makes of material and manufacturers

Kindly acknowledge this acceptance & start the work at earliest

Thanking you,

Yours Faithfully

For SAM (INDIA) BUILDWELL
PVT LTD



Authorized Signatory



SAM (INDIA) BUILT WELL PVT. LTD.

Engineers Promoters & Developers

Ref No

Date

Ref. No.

Date: 12.05 2012

Steel Arts

RZ-18, Gali No.5,

Mohan block, West sagar pur,

New Delhi-110046

Sub: construction of 1500 seated mega hostel building including internal electrification, fire detection & alarm, plumbing & fire fighting and lift works at NIT, hamirpur (H.P.).

Dear Sir,

The offer for various items submitted by you for the above work is here by accepted as discussed. The following rates are fixed & no extra what so ever is payable

S.N.	Description of item	Rate	Approx. Qty.
1.	Providing and fixing aluminum work for doors, windows, ventilators and partitions with extruded built up standard tubular/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixed with raw plugs and screws or with fixing clips. or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required EPDM rubber /neoprene gasket Aluminum sections shall be smooth, rust free, straight, mitered and jointed mechanically wherever required including cleat angle, aluminum snap beading for glazing /paneling C.P. brass/ stainless steel screws) all complete as per architectural drawing and the directions of Engineer in charge		



SAM (INDIA) BUILT WELL PVT. LTD.

Engineers Promoters & Developers

CIN : U70101DL1098PTC001859

Ref No.

Date

WORK ORDER

Sam India Builtwell Pvt Ltd 435 , Jagrati Enclave , Vikas Marg Ext Delhi - 110092	Order Reference Number :- SIDPL / 18-19/ ECGC-04 Date :- 14.01.2019 Quotation Ref. :-
Vendor M/S. STEEL ARTS R27 , Sita Puri Main Pankha Road Opp . Khanna Hospital, Delhi .	Work place ECGC Site , Opp. Vishal Hall, Bima Nagar , Near Tell Galli, Andheri (E) Mumbai.

With reference to your quotation referred above, we are pleased to place the following order, The Details for which are as follows:

(A) BOQ Items

17.0	CURTAIN GLAZING	Quantity	Unit	Rate	Amount
17.1	Providing and supplying aluminium extruded tubular and other aluminium sections as per the architectural drawings and approved shop drawings , the aluminium quality as per grade 6063 T5 or T6 as per BS 1474, including super durable powder coating of 60-80 microns conforming to AAMA 2604 of required colour and shade as approved by the Engineer-in-Charge. (The item includes cost of material such as cleats, sleeves, screws etc. necessary for fabrication of extruded aluminium frame work. Nothing extra shall be paid on this account).	35000	kg	437.75	15321250
17.2	Designing, fabricating, testing, protection, installing and fixing in position semi (grid) unitized system of structural glazing (with open joints) for linear as well as curvilinear portions of the building for all heights and all levels, including				



303, Maheshwari Bldg (Business Suites) 91 SV Road, Nr Akbar Ali Showroom, Santacruz (W) Mumbai - 400054.
Website : www.samindia.com Email : info@samindia.com, rohitkhandelwal1991@gmail.com

17.3	(a) Structural analysis & design and preparation of shop drawings for the specified design loads conforming to IS 875 part III (the system must passed the proof test at 1.5 times design wind pressure without any failure), including functional design of the aluminum sections for fixing glazing panels of various thicknesses, aluminium cleats, sleeves and splice plates etc. gaskets, screws, toggles, nuts, bolts, clamps etc., structural and weather silicone sealants, flashings, fire stop (barrier)- cum-smoke seals, microwave cured EPDM gaskets for water tightness, pressure equalisation & drainage and protection against fire hazard including:				
	(b) Fabricating and supplying serrated M.S. hot dip galvanised / Aluminium alloy of 6005 T5 brackets of required sizes, sections and profiles etc. to accommodate 3 Dimensional movement for achieving perfect verticality and fixing structural glazing system rigidly to the RCC/ masonry/structural steel framework of building structure using stainless steel anchor fasteners/ bolts, nylon separator to prevent bimetallic contacts with nuts and washers etc. of stainless steel grade 316, of the required capacity and in required numbers.				
	c) Providing and filling, two part pump filled, structural silicone sealant and one part weather silicone sealant compatible with the structural silicone sealant of required bite size in a clean and controlled factory / work shop environment , including double sided spacer tape, setting blocks and backer rod, all of approved grade, brand and manufacture, as per the approved sealant design, within and all around the perimeter for holding glass.				
	d) Providing and fixing in position flashings of solid aluminium sheet 1 mm thick and of sizes, shapes and profiles, as required as per the site conditions, to seal the gap between the building structure and all its interfaces with curtain glazing to make it watertight.				



<p>(e) Making provision for drainage of moisture/ water that enters the curtain glazing system to make it watertight, by incorporating principles of pressure equalization, providing suitable gutter profiles at bottom (if required), making necessary holes of required sizes and of required numbers etc. complete. This item includes cost of all inputs of designing, labour for fabricating and installation of aluminium grid, installation of glazed units, T&P, scaffolding and other incidental charges including wastages etc., enabling temporary structures and services, cranes or cradles etc. as described above and as specified. The item includes the cost of getting all the structural and functional design including shop drawings checked by a structural designer, dully approved by Engineer-in-charge. The item also includes the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working structural glazing as specified, cleaning and protection till the handing over of the building for occupation. In the end, the Contractor shall provide a water tight structural glazing having all the performance characteristics etc. all complete as required, as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer- in-Charge.</p>				
<p><i>Note:- 1. The cost of providing extruded aluminium frames, shadow boxes, extruded aluminium section capping for fixing in the grooves of the curtain glazing and vermin proof stainless steel wire mesh shall be paid for separately under relevant items under this sub- head. However, for the purpose of payment, only the actual area of structural glazing (including width of grooves) on the external face shall be measured in sqm. up to two decimal places.</i></p>				



<p>Note:- 2. The following performance test are to be conducted on structural glazing system if area of structural glazing exceeds 2500 Sqm from the certified laboratories accredited by NABL (National Accreditation Board for Testing and Calibration Laboratories), Department of Science & Technologies, India. Cost of testing is payable separately. The NIT approving authority will decide the necessity of testing on the basis of cost of the work, cost of the test and importance of the work. Performance Testing of Structural glazing system Tests to be conducted in the NBL Certified laboratories</p> <p>(1) Performance Laboratory Test for Air Leakage Test (-50pa to -300pa) & (+50pa to +300pa) as per ASTM E-283-04 testing method for a range of testing limit 1 to 200 mVhr</p> <p>(2) Static Water Penetration Test. (50pa to 1500pa) as per ASTM E-331-09 testing method for a range up to 2000 ml. Code Description Unit Rate No. 404 SUB HEAD : 25.0</p> <p>STRUCTURAL GLAZING ALUMINIUM COMPOSITE PANEL</p> <p>(3) Dynamic Water Penetration (50pa to 1500pa) as per AAMA 501.01-05 testing method for a range upto 2000 ml</p> <p>(4) Structural Performance Deflection and deformation by static air pressure test (1.5 times desing wind pressure without any failure) as per ASTM E-330-10 testing method for a range upto 50 mm (5) Seismic Movement Test (upto 30 mm) as per AAMA 501.4-09 testing method for Qualitative test. Tests to be conducted on site.</p> <p>(6) Onsite Test for Water Leakage for a pressure range 50 kpa to 240 kpa (35psi) upto 2000 ml</p>	2770	sqm	3118.65	8638661



17.4	Providing, assembling and supplying vision glass panels (IGUs) comprising of hermetically-sealed 6-12-6 mm insulated glass (double glazed) vision panel units of size and shape as required and specified, comprising of an outer heat strengthened float glass 6mm thick, of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade, an inner Heat strengthened clear float glass 6mm thick, spacer tube 12mm wide, dessicants, including primary seal and secondary seal (structural silicone sealant) etc. all complete for the required performances, as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge. The IGUs shall be assembled in the factory/workshop of the glass processor."(Payment for fixing of IGU Panels in the curtain glazing is included in cost of item No.26.2)"For payment, only the actual area of glass on face # 1 of the glass panels (excluding the areas of the grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm." (i) Coloured tinted float glass 6mm thick substrate with reflective soft coating on face # 2, + 12mm Airgap + 6mm Heat Strengthened clear Glass of approved make having properties as visible Light transmittance (VLT) of 25 to 35 %, Light reflection internal 10 to 15%, light reflection external 10 to 20 %, shading coefficient (0.25- 0.28) and U value of 3.0 to 3.3 W/m2 degree K etc. The properties of performance glass shall be decided by technical sanctioning authority as per the site requirement.	1414	sqm	4827.90	6826651
17.5	Extra for openable side / top hung vision glass panels (IGUs) including providing and supplying at site all accessories and hardwares for the openable panels as specified and of the approved make such as heavy duty stainless steel friction hinges, min 4 -point cremone locking sets with stainless steel plates, handles, buffers etc. including necessary stainless steel screws/ fasteners, nuts, bolts, washers etc. all complete as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge.	108	sqm	3806.70	411124



17.6	Providing, fabricating and supplying shadow box of required size and shape, for fixing in the spandrel portion of the structural glazing, in linear as well as curvilinear portions of the building by providing semi-rigid, inorganic, non-combustible fibre glass wool insulation 50 mm thick, conforming to IS: 8183 and BS: 3958 Part 5. The insulation layer shall have facing (factory bonded on surface # 10f the fibre glass insulation layer), of black non-woven fibre glass tissue of nominal thickness 0.5 mm and nominal mass not less than 60 gm / sqm, made of randomly oriented glass fibres distributed in a binder by a wet-lay process including fixing 1.5 mm thick solid aluminum sheet backing using, 6 mm thick cement board including SS rivets, nuts, bolts, washers etc complete.	268	sqm	1996.30	535008
17.7	Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building, for all heights and all levels etc. including: (a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design.				
	(b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc.				



	(c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium items The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete , as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places."	100	sqm	4407.60	440760
17.8	Design supply & installation of suspended Spider Glazing system including canopy designed to withstand the wind pressure as per IS 875 (Part-III). The Suspended System held with Spider Fittings of SS-316 Grade Steel of approved manufacturer with glass panel having 12 mm thick clear toughened glass held together with SS- 316 Grade Stainless steel Spider & bolt assembly with aluminium fins of required thickness. The aluminium fins and glass panel assembly shall be connected to Slab/ beams by means of SS- 316 Grade stainless steel brackets & Anchor bolts and at the bottom using SS channel of 50x25x2mm using fastener & anchor bolts, non staining weather sealants of approved make, Teflon/ nylon bushes and separators to prevent bi-metallic contacts, all complete to perform as per specification and approved drawings. The complete system to be designed to accommodate thermal expansion & seismic movements etc. The joints between glass panels (6 to 8 mm) and gaps at the perimeter & in U channel of the assembly to be filled with non staining weather sealant so as to make the entire system fully water proof & dust proof. The rate shall include all design, Engineering and shop drawing including approval from structural designer, labour, T&P, scaffolding, other incidental charges including wastage, enabling	445	sqm	7721.55	3436090



	temporary services all fitting fixers nut bolts, washer, Buffer plates, fastener, anchors, SS channel etc. all complete. For the purpose of payment, actual elevation area of Glazing including thickness of joints and the portion of Glass panel inside the SS channel shall be measured. (Payment of aluminium fins will be made under relevant aluminium item)				
17.9	Design, Fabrication, Supply, Installation, Testing, Protection, Cleaning & Handover of Seamless Railing system custom designed to with stand the design wind load & Live load confirming to IS -875 (The system must pass the proof test at 1.5 times design wind pressure without any failure). Railing system shall be made out of the Aluminium U Channel with Anodized finish of 22 micron fixed to the floor level with required SS Fastners. The glass shall be insert in the U channel with ABS (Acrylonitrile Butadiene Styrene), weather sealant, Setting blocks, necessary fittings for support & arrangement as per the design drgs. Laminated Glass GLS 07 (16.89 mm Thick will be covered with SS handrail on top of the glass all in complete required to perform as per specification and drawing in conjunction with BOQ. Complete system shall be warranted for minimum 10 yrs against design & workmanship defects.	211	sqm	16000.00	3376000
17.10	providng and fixing the laminated glass in the RAILING system. Glass (GLS 07): 16.89 mm(8mm clear FT + 0.89 mm SGP + 8mm clear FT) laminated glass	211	sqm	5500.00	1160500
17.11	Design , Supply and Installation of 17.52mm thick laminated glass of Saint-Gobain, Asahi , Sezal, HNG, Modiguard, Pilkington, or Schott, etc. (8mm clear HS +1.52pvb+8mm HSclear) including structural and weather silicon sealant and making provision for drainage of moisture / water that enters the glazing system to make it watertight. The fixing of the glass would be done using necessary Patch fitting of Dorma or equivalent make of required size and required numbers as per architectural drawings and shop drawings, as specified and as directed by engineer – in – charge. The gap between 2 glass would be filled with clear silicon sealant of Dowcorning or equivalent make. Rate shall be including of all material, labour, fixture and fittings required. Nothing extra will be paid. For payment purpose area of glass including of groves but excluding rebate shall be measured.	1205	sqm	16800.00	20244000



17.12	Providing and fixing the fire stop for 2 hour Fire rating with smoke seal at all floor slab levels required as per local fire authority. Rockwool slab of 2 hour Fire rating with 1.0mm GI knives to hold the assembly shall be fixed in compressed form between the gap of Building RCC and Curtain wall system at floor level. The whole assembly also to act as acoustic assembly between the floors. The fire stop assembly shall run vertical side where there is a shear wall condition or break in horizontal fire stop. The floor closure shall be provided continuously at floor level with 1.2mm thk GI flashing closing gap between transom and building line with minimum of 6mm gap filled with smoke seal sealant. Provide soffit closure by 1mm thk GI flashing at slab bottom level.	261	metre	2000.00	522000

(B) NON BOQ Items

1	Providing and fixing of Any thickness stainless steel sheet / Section of grade 316 to circular/rectangular column & Stair And Sub Way structural steel framework with screw, fastener etc. complete as per Architectural drawings and as per approved shop drawing and direction of Engineer in charge.	LUMSUM	KG	375	
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Terms And Condition :-

1. The above quantities are tentative may be increased or decreased as per site requirement.
2. All above mentioned BOQ items are 32% below from BOQ rates.
3. GST would be paid extra as per government norms.
4. Electricity and water to be given by client to contractor.
5. Space for labour hutment to be provided by client.
6. All the work to be carried out as per satisfaction of Project- In charge of CPWD.
7. Payment to be release after physical measurement of work done.
8. Scup Folding Will Be in Your Scope

For SAM INDIA BUILDWELL PVT LTD

Authorised Signatory



for PERSON NAME

Authorised Signatory



To,
M/s, STEEL ARTS
Add.:- RZ-16, Block-H,
Sagarpur, West Delhi
Delhi-110046
Mobile:- 9999424252, 9999663303
Email Id:- chauhansteelarts@yahoo.in
GST No. – 07ADRPC6653M2ZZ

Subject:- Aluminium work at IPU Site East Delhi.

Dear Sir,

With reference to the negotiations held with you, the Work order of Guru Gobind Singh Indraprastha is being awarded to you as per following details

A. RATES :

S. No.	Description	Unit	Rate	Quantity	
1.	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws. (Glazing, paneling and dash fasteners to be paid for separately)				

For M/s NKG Infrastructure Ltd.



(Accepted by) *Dawan Chauhan*
(Authorized Signatory of Contractor)

1a.	Powder coated aluminium (minimum thickness of powder coating 50 micron)	KG	330/-	Actual	
2.	For shutters of doors, windows & ventilators excluding hinges/ pivots but Including making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
2a.	Powder coated aluminium (minimum thickness of powder coating 50 micron)	KG	330/-	Actual	
3.	Friction stay for openable part shutter (SS 304, EBCO Company, as per technical specifications)	Pair	260/-	Actual	
4.	Powder coated handle for shutter (EBCO Company, as per technical specifications)	Per pcs	45/-	Actual	
5.	6mm clear glass (Sant Globin Company make, as per technical specifications)	Sqft	48/-	Actual	
6.	EPDM rubber/ neoprene gasket required (as per technical specifications)	KG	190/-	Actual	
7.	Dash fastners for fixing (Hilti, as per technical specifications)	Per pcs	46/-	Actual	

B. SCOPE OF WORK:

1. Manufacturing certificate to be given by contractor.
2. Make of Aluminium should be "Jinda" only.
3. In case of default volition of wearing of Helmet by your workers. Rs:100/- per labour per day will be deduct from your RA bill.
4. Photographs of all labour will be submitted by you at the time of execution of work.
5. Any labour residing in Company hut shall not be allowed to work outside the Project. Minimum working hours per day shall be 10 hrs per day.
6. Contractor should produce evident of PF/ESI & other government required.
7. In case of improper / insufficient housekeeping OR cleaning, the company shall engage own labour at risk and cost to the Contractor.
8. All tools / tackles and consumables are in contractor's scope.
9. The contractor will be responsible for the watch and ward of the material brought on from his own stock for our site and nothing extra paid in this regard
10. The Company / Client can increase or decrease scope of work depending upon progress, without any compensation of any type what-so-ever.

For M/s NKG Infrastructure Ltd.

(Authorized Signatory)


 (Accepted by)
 (Authorized Signatory of Contractor)

11. Company/client will not be responsible for any kind of Penalty/fine imposed by any Govt. agency. For any kind of lapse from your end.
12. Housekeeping, Cleaning and all Safety issues shall be sole responsibility of the Contractor
13. Optimum utilization of all resources provided by the company shall be sole responsibility of the Contractor. In case of under utilization suitable deducted shall be made.

C. COMPANY / CLIENT's SCOPE :

- (1) Labour Hutment provide by the company.

D. BILLING & MEASUREMENT :

- (1) Only actual work done shall be paid.
- (2) RA Bill shall be submitted on monthly basis for completed work only.
- (3) Security @ 5% of work done amount, shall be deducted from RA bill.
- (4) Proof of payment to deployed workers and other statutory requirements to be attached along with all RA bill.

E. Taxes:

- a) EPF, ESI and all other statutory taxes are included in the above rates and in case of non-compliance the Company/ Client shall deduct the same from the Contractor's bills. TDS deductions as per laws.
- b) GST will be paid extra as per rule.

BANK NAME: Kotak Mahindra Bank

ACCOUNT : 4711172940

IFSC CODE : KKBK0000192

X

For M/s NKG Infrastructure Ltd.



(Accepted by)
(Authorized Signatory of Contractor)



SAM (INDIA) BUILT WELL PVT. LTD.

Engineers Promotors & Developers

CIN : U70101DL1998PTC091859

Ref. No.

Date

TO,
STEEL ARTS,
RZ-16,H-BLOCK,
WEST SAGAR PUR,NEW DELHI,
DELHI-110046

DATE:-06-6-2016

SUB:-Work Order of ACP/Structural Glazing/Louver/Glass Work for Lucknow Metro Depot

Project.

Dear Sir

We are pleased to award you the work of ACP/Structural Glazing/Louvers/Glass work for Metro Work with the under mentioned term & condition:-

S.No.	Description	Rate	Qty	Total Approx
1	Providing and fixing external grade aluminium composite panel for cladding at all geight and elevation including necessary aluminium composite panel consist of 3mm thermoplastic of anti oxidant LDPE sandwiched between two skin of 0.5 mm thick alloy sheet making a total sheet thickness of 4mm. The surface shall be finished with PDVF base coating on the reverse side shall be with polymer paint.the system shall be fixed to the masonry/RCC wallwith necessary clamps,bracket and anchor fasteners. As per item no. 26.1	2800/SQM	1200/ SQM	3360000 Rs
2	Framing ,erecting and Fixing structuralglazng at all locations whereverrequired as per drawing and ordered by site Incharge. As per item no. 26.3	5300/SQM	4000 SQM	22260000 Rs
3	Framing,Fabrication,erection & Fixing of extruded aluminium fixed louvers. As per item no. 26.11	320/KGS	6000 KGS	1920000 Rs
4	Providing and fixing stainless steel (Grade 304) railing made of hollow tubes,channels.lates	330KGS	16000KGS	5280000 Rs



435, Jagriti Enclave, Vikas Marg Extn., Delhi- 110092, Tel. : 011 - 22163389, 65460162 Telefax : 22163393

Website : www.samindia.com, E-mail : info@samindia.com

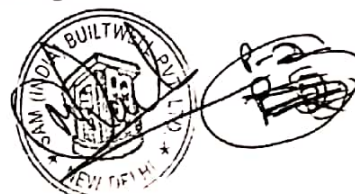
etc., including welding ,grinding, buffing , polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete , i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size , on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer- in- charge.(for payment purpose only weight of stainless steel member shall be considered excluding fixing accessories such as nuts , bolts , fasteners etc.).				
				3,28,20,520 = 00

Payment Condition:-

1. 5% security shall be deducted from each Running Bill which shall be released after 12month of successful completion of work.
2. TDS Shall be deducted as application.
3. These above rates are inclusive of labour and material charges.
4. Above prices are Inclusive of all taxes.
5. Executing agency will be solely responsible for the accountability of the material issued to them . in case of any pilferage , unaccounted material cost shall be debited from the running bill.
6. Above prices are inclusive of lead up to 80m within site .
7. Transport shall be provided by company for shifting of material at one point.
8. Executing agency to get the line and level checked by the site in charge during installing the item.
9. Being a time bound project , contractor shall be accountable for timely completion of work unde his scope for the specified time.

General Terms And Condition:-

1. All payments shall be done by cheque.
2. Any facility/ machinery/fuel provided shall be deducted on each running bill with overhead expenses of 10%.
3. Bill shall be submitted by the contractor by 30th of every month for smooth payments within fifteen days of submission of bill.
4. Above prices are inclusive of farming / erection /silicon/& cleaning of ACP/glass/ removal of protective tape as per the requirement of site incharge .
5. Above prices are inclusive argon welding/buffing/fixing and ,making the work wxecuted in good condition in all respect as per the requirement of respective site incharge.
6. ACP & glass material shall be properly stacked at site before placing.



7. Any damage incurred to company due to wrong workmanship shall be deducted from the running bill.
8. Safety of the labour shall be prime concern of the contractor. He shall be fully responsible for miss happening at the site all the PPE material is provide by the company and the contractor has to ensure proper utilization of that PPE.
9. Any penalty for non-compliance of PPE imposed by client/safety department shall be deducted from running bills of the contractor.

Authorized Signature



For SAM (India) Builtwell Pvt. Ltd.



J.R.C. GRID ENGINEERS PVT. LTD.

CIVIL ENGINEERS, BUILDERS & CONTRACTORS

C-2/398, Pankha Road, Janak Puri, New Delhi- 110058

Phone : 25624766, 25551425 Fax : 25514497

E-mail : jrcgrid@gmail.com

Ref: JRC/DMRC/PC/7

September 18, 2018

M/s Steel Arts,
RZ-7, Sita Puri, 1st Floor,
Main Pankha Road,
Janakpuri (Opp. Khanna Hospital),
NEW DELHI 110045.

Sub: Supply & Installation works at DMRC Site, Badli, Delhi.

Dear Sir,

Reference your quotation and subsequent discussions held. We are pleased to confirm the work order for the abovesaid site as per following details :

S.No.	Description	Rate (per kg.)
1.0	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS:733 and IS:1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and joined mechanically wherever required including cleat angle, Aluminium snap beading for glazing/paneling CP Brass/stainless steel screws all complete as per Architectural drawings and the directions of Engineer-in-Charge.	
1.1	For fixed portion with powder coated aluminium (minimum thickness of powder coating 50 micron) including all fittings and accessories.	Rs.260/-
1.2	For shutters of doors, windows and ventilators including providing and fixing hinges/pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber/neoprene gasket required with powder coated aluminium (minimum thickness of powder coating 50 microns including all fittings and accessories.	Rs.275/-
2.0	Designing, providing, erecting and fixing structural glazing utilized using specially designed aluminium grade 63400 WP IS:733 and ID:1285 electro colour anodized 25 micron or pure polyester powder coated 65 microns in approved shade and colour through adequately designed MS galvanized/aluminium anchor brackets. The structural glazing design to be based on rain screen and pressure equalized drainage system. The complete drainage system to be incorporated in the design which drain water at every transom	Rs.5100/- per sqm.

	in the unlikely event that water penetrate the pressure seal. This include structural grade and weathering grade silicon sealant "Dow Corning" or "GE Silicon" or equivalent as per the design requirement. This includes structural designing, shop drawing complete, structural calculations and water penetration test as per (Structural Test Wind load serviceability) – ASTM E 330, Water Penetration Test – AAMA 501.2). The specified test is to be carried out only for location where executed qty will be more than 50 sqm in one go. The structure glazing shall be double glazed 23mm thick.	
3.0	Providing and fixing Aluminium compose panels in all colours of Alucobond/Alpolic or any other approved equivalent for external/internal wall cladding at all heights and elevations including necessary aluminium composite panel consist of 3mm thermoplastic core of anti oxidant LDPE sandwiched between two skin of 0.5 mm thick allow sheet making a total sheet thickness of 4mm. The surface shall be finished with PDVF base coating on the top side and service coating on the reverse side shall be with a polymer paint. Coating shall conform to ECCA of AAMA. The system shall design to withstand wind pressure of 200 kg/sqm and shall be fixed to the masonry/RCC wall with necessary clamps, bracket and anchor fasteners. All clamps and brackets shall be hot dip galvanized minimum 80 micron thick conformed to IS:4759 – 1996. The extruded aluminium sections shall be anodized in approved colour with anodic coating minimum 20 microns. Extruded section shall be of 6063 T5 of T6 alloy conforming to ASTM B221.	Rs.2100/- per sqm.

- The above rates are inclusive of all applicable taxes, duties, cartage, FOR etc. complete except GST.
- GST payable extra @ applicable rates.
- All work to be executed as per BOQ, GCC Specifications, drawings, requirements and instructions of DMRC.
- Scaffolding shall be provided by us at site.

Please acknowledge the same.

Thanking you,

Yours faithfully,
for JRC GRID ENGINEERS PVT. LTD.





Tel. Fax : 0145-2665341
GST No. - 08AACFA5540P1Z8

ASIAN CONSTRUCTION COMPANY CONTRACTORS & ENGINEERS

Govt. Approved Contractor - Class I/AA of C.P.W.D. A Class of MES, P.W.D. NBCC, UPRNN & Rajasthan Housing Board

716 A, Illrd Street, Beharl Ganj, Ajmer (Raj.) - 305 001

E-mail : aslanajmer@gmail.com

Ref.No.

Date :

DATE:-10-05-2017

COMPLETION CERTIFICATE

This is certify their M/s STEEL ARTS was awarded a contract for Aluminum Composite Panel ,Structural Glazing, ALUMINIUM WORK AND STAINLESS STELL work at Construction of National Institute of Social Defence (NISD) AT Sector-10, Dwarka. They have successfully completed the work coating approx. Rs5.95 Crores. They have been found professionally organized and they had employed skilled labour as required.

There performance found to be satisfactory. We wish them all success and prosperity in their new endeavors.

Authorized Signatory

For M/s ASIAN CONSTRUCTION COMPANY.



Tel. Fax : 0145-2865341
GST No. - 08AACFA5540P1Z8

ASIAN CONSTRUCTION COMPANY CONTRACTORS & ENGINEERS

Govt. Approved Contractor - Class I AA of C.P.W.D. A Class of MES, P.W.D. NBCC, UPRNN & Rajasthan Housing Board

716 A, Illrd Street, Beharl Ganj, Ajmer (Raj.) - 305 001
E-mail : aslanajmer@gmail.com

Ref.No.

Date :

DATE:-06-4-2016

TO,
STEEL ARTS,
RZ-16,H-BLOCK,
WEST SAGAR PUR,NEW DELHI,
DELHI-110046

SUB:-Work Order of ACP/Structural Glazing/Aluminium Louver/Glass /Stainless Steel Work for NISD Building.
Project.

Dear Sir

We are pleased to award you the work of ACP/Structural Glazing/Louvers/Glass/Stainless Steel work for NISD BUILDING with the under mentioned term & condition:-

S.No.	Description	Qty	Rate	Total Approx
1	Providing fabricating and supplying and fixing panels of aluminum composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral filled polymer core(0.5mm thick).with stainless stell screw,nuts,bolts.washers,cleats,weather silicon sealant,backer rods etc.	6910 sqm	2300/ SQM	15893000 Rs
2	Framing ,erecting and Fixing structuralglazng at all locations whereverrequired as per drawing and ordered by site Incharge.	946 SQM	4450 /SQM	4209700 Rs
3	Glazing For Openable Portion	70 SQM	2000/ SQM	140000 Rs
3	Framing,Fabrication,erection & Fixing of extruded aluminium fixed louvers	70432 KGS	252 /KGS	17749033 Rs
4	Stainles Steel Work	13000 KGS	300/Kgs	3900000 Rs

Payment Condition:-

1. 5% security shall be deducted from each Running Bill which shall be released after 12month of successful completion of work.
2. TDS Shall be deducted as application.
3. Taxes and GST are Extra as applicable.
4. P.F ESI shall be in you're A/C if applicable.
5. Scaffolding & electricity will be provided bu us at site only.

Thanking You

For M/s ASIAN CONSTRUCTION COMPANY

For Asian Construction

Authorized Signatory

S&M (INDIA) BUILT WELL PVT. LTD.
Engineers Promoters & Developers
 CIN:U70101DL1998PTC091859

To,

07.10.2019

Steel Arts,
 RZ-16, H Block, West Sagarpur,
 New Delhi-110046

Kind Attn: Pawan Chauhan

Name Of Work: Construction of Hematolymphoid, Women & Children Block (Ground +7 storey Building) and (RRU) Radiological Research Unit & Administration Block (Basement + Gr. +7 Storey Bldg.) at ACTREC, Kharghar, Navi Mumbai.

Subject: Work Order for Façade & Aluminum work

Dear Sir,

As per our discussion and reference to your quotation dated 30.08.2019 provided by you undersigned is pleased to issue work order for the items as following:

J	CLADDING & GLAZING WORK	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
1.3	Design, fabricate, package, deliver (to Job site) and install curtain wall systems comprising specified glass. The glass panels will be mechanically supported to the aluminium main frame with pressure plate & cover cap on outer surface and fixed onto mullions and transoms including functional design of the aluminum sections for fixing glazing panels of various thicknesses, aluminium cleats, sleeves and splice plates etc. gaskets, screws, toggles, nuts, bolts, clamps etc., structural and weather silicone sealants, flashings, fire stop (barrier)-cum-smoke seals, microwave cured EPDM gaskets for water tightness, pressure equalization & drainage and protection against fire hazard with all approved standard accessories and hardware's of approved make. All aluminium extruded profiles shall be confirming to alloy 6063 T6. All Aluminium profiles shall be anodized with a minimum thickness of 25 microns and shade shall be as per architect's approval. The curtain wall shall be sealed to the host structure and not adjoining materials with approved water proofing membrane and insulation to prevent sound transmission. The System and glass shall be designed to withstand 1.5 times the design wind pressure at all levels, elevation & heights.				
	The anchoring / bracing of the curtain wall system to the RCC slab / beams / columns shall be done with non-corrosive galvanized brackets of approved design (80-90 micron thickness) and including providing teflon shims of various thickness to adjust the beam level / line variations fixed with SS dash fasteners Hilti , Fisher or equivalent of min. 12mm dia. and depth of 50-80mm in the concrete and to withstand the dead load of the curtain walls as well as stresses due to wind pressure etc. Expansion joint gap for mullion shall be minimum 15 to 20mm filled with expansion joint sealant from Dow Corning of DC 790 . All screws, washers used shall be only stainless steel of 304 grade and Through Bolts , Nuts & anchors used shall be only stainless steel of 316 grade. The contractor must design the system as per the prevalent site conditions and building elevation profiles. No extra claims shall be entertained at any stage for aluminium profile wall thickness and size dimensions. Material supporting arrangements shown in the drawing are indicative and contractor shall make their own shop drawings and suggest method of fixing with type of anchors they propose to use where they are to be fixed. Work to include required double legged independent scaffolding for entire height or as required to approval of the PM.				
J.3.1	with 6mm thk single vision toughened glass with solar heat gain factor should be less than 0.25 of approved make (For HWCC Block)	sq.m	2650	4750	12587500



SAM (INDIA) BUILT WELL PVT. LTD.

Engineers Promoters & Developers

CIN:U70101DL1998PTC091859

1.4	Extra for Openable side door/ top hung vision glass panels with 6mm thk single vision toughened glass with solar heat gain factor should be less than 0.25 of approved make including providing and supplying at site additional frame with all accessories and hardware for the openable panels as specified and of the approved make such as heavy duty stainless steel friction hinges, min 4 -point cremone locking sets with stainless steel plates, handles, buffers etc. including necessary stainless steel screws/ fasteners, nuts, bolts, washers etc. all complete as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in- Charge. (For HWCC Block)	sq.m	638	1425	909150
1.5	Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminum Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building, for all heights and all levels etc. including: a) Structural analysis & design and preparation of shop drawings for pressure equalization or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design. b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc. c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of Base frame work for ACP cladding, all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete , as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places (Basic Price of 4mm thick ACP - Rs. 1000 Per Sqm) (For HWCC Block)	sq.m	760	2850	2166000
1.6	Providing & fixing 10mm thick multiwall poly carbonate sheets of approved colour including all fixing arrangement such as screwing with Self tapping screws complying with AS-3566-Class III with EPDM washer and Fixed on every crest etc. and ensuring water tightness by applying silicon sealant in gaps ensuring 100% water tightness. Virgin PVC ,gaskets of approved make / manufacturer for roofing over Canopy , ramp, etc. as per drawings issued (Giving guaranty for 10 years). (For HWCC Block)	sq.m	256	1235	316160



SAM (INDIA) BUILT WELL PVT. LTD.

Engineers Promoters & Developers

CIN:U70101DL1998PTC091859

J.7	Design, engineer, fabricate and install complete ACP panel cladding system of approved shade, but not limited to formed ACP panel. ACP panels shall be 4 mm thick sheet (alloy designation 310 S). The panels shall be finished with PVDF Coating on the top and a service coat on the reverse side. Coating shall conform the specification of ECCA / AAMA and conforming to the mechanical properties of panel as per detail technical specification. The system comprises extruded aluminium sections to be fixed using G.I Brackets (duty HDG) and stainless steel bolts, nuts and spring washer along with isolators. The system shall be designed to withstand a wind pressure of 1.5KPa at all levels, elevations and heights. Horizontal joints to be sealed with weather silicone. All exposed aluminium extrusion (cleats) shall be 6063 T6 alloy. (Basic Price of 4mm ACP cladding sheet - Rs. 1025 Per Sqm) (For RRU Block)	sq.m	672	2470	1659840
F	STRUCTURAL STEEL & ALUMINIUM WORK				
	Aluminum sections shall be of approved make heavy duty, all sections including fittings & fixtures, screws, etc shall be anodized 20 micron, heavy duty rollers & hinges, handles, etc				
F.1. 1	Providing and fixing in position anodized extruded modular aluminium fixed glass panel window having frame made out extruded tubular section of size 63 x 38 mm x 2.00 mm thickness (wt.1.054 kg/Rmt) mechanically assembled at corners with glazing, beading of angle 25 x 25 x 1.60mm thick (wt.0.21 kg/Rmt) of approved make & shade & weight including 6mm thk single vision toughened glass with solar heat gain factor should be less than 0.25 of approved make & shade with rubber gasket and wooden encasement wherever necessary etc. as per approved drawing and specification etc. complete The glass would be fixed with taper clips with EPDM beading. All gaps between civil work and aluminium frames shall be sealed and made watertight by applying silicone sealant and with good quality hardware and accessories like GI screws, Virgin PVC, gaskets, silicon sealant on the periphery, as per detailed drawing etc complete as directed by Engineer-in-Charge. (For HWCC Block)	sq.m	230	2470	568100
F.1. 2	Providing and fixing of aluminum fixed window with tubular frame weighing 1.55 kg/m using powder coated with pure polyester powder of thickness 50 to 80 microns aluminum section of approved make & shade & weight using 6mm thk single vision plain glass with solar heat gain factor should be less than 0.25 of approved make & shade . The glass would be fixed with taper clips with EPDM beading. All gaps between civil work and aluminium frames shall be sealed and made watertight by applying silicone sealant and with good quality hardware and accessories like GI screws, Virgin PVC ,gaskets, silicon sealant on the periphery, as per detailed drawing etc complete.(For RRU Block)	sq.m	89	2470	219830
F.2	Providing and fixing in position anodized extruded modular aluminium fixed glass panel window having frame made out extruded tubular section of size 63 x 38 mm x 2.00 mm thickness (wt.1.054 kg/Rmt) mechanically assembled at corners with glazing, beading of angle 25 x 25 x 1.60mm thick (wt.0.21 kg/Rmt) of approved make & shade & weight including plain sheet glass 6mm thick with rubber gasket and wooden encasement wherever necessary etc. as per approved drawing and specification etc. complete The glass would be fixed with taper clips with EPDM beading. All gaps between civil work and aluminium frames shall be sealed and made watertight by applying silicone sealant and with good quality hardware and accessories like GI screws, Virgin PVC ,gaskets, silicon sealant on the periphery, as per detailed drawing etc complete as directed by Engineer-in-Charge. (For HWCC Block)	sq.m	60	2470	148200



SAM (INDIA) BUILT WELL PVT. LTD.

Engineers Promoters & Developers

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F.3	Providing and fixing in position anodized extruded aluminium section Two track sliding windows of approved make & shade & weight mounted on rectangular frame & intermediate Mullion of size 63 x 38 x 2.00mm thick (1.054kg/Rmt) made up of two track drain bottom section of size 61 x 45 x 1.3mm thick (1.055kg/Rmt) and top and sides sections of size 61 x 31 x 1.3mm thick (0.659 kg/Rmt). The shutter should be of bearing bottom of size 40 x 18 x 1.20mm thick (0.417 kg/Rmt) top member of size 40 x 18 x 1.20mm thick (0.475 kg/Rmt) interlocking section size of 43 x 27 x 1.30 mm thick (0.558 kg/Rmt) and handle section of size 43 x 18 x 1.30 mm thick (0.424 kg/Rmt) selected quality including 6mm thk single vision toughened glass with solar heat gain factor should be less than 0.25 of approved make & shade to be fixed in shutter with neoprene gasket with approved quality PVC rollers necessary locks handles PVC lining and wooden encasement wherever necessary etc. complete as directed by Engineer in charge. (For HWCC Block)	sq.m	129	2470	318630
F.4. 1	Providing and fixing aluminum windows / ventilators (including frame and shutter) using anodized extruded modular section of approved make & shade with three partitions using 6mm single vision glass of approved make & shade in one partition, Exhaust opening in one partition & 4 mm thk frosted glass louvers in one partition with using weight and size of section not less then as specified or as shown in drawing including sub frame (wherever specified) ,locking arrangement,silicon sealant ,EPDM gaskets, including all aluminum fixture and fittings etc. complete . Rectangular tube @0.478kg/m (For HWCC Block)	sq.m	91	2850	259350
F.4. 2	Providing and fixing aluminum windows / ventilators (including frame and shutter) using powder coated with pure polyster powder of thickness 50 to 80 microns of approved make & shade with three partitions using 6mm single vision glass of approved make & shade in one partition, Exhaust opening in one partition & 4 mm thk frosted glass louvers in one partition with using weight and size of section not less then as specified or as shown in drawing including sub frame (wherever specified) ,locking arrangement,silicon sealant ,EPDM gaskets, including all aluminum fixture and fittings etc. complete . Rectangular tube @0.478kg/m (For RRU Block)	sq.m	102	2850	290700
TOTAL					19443460

Terms & Conditions:

1. R A bill will be generate on monthly basis & should pay regularly.
2. Electricity & Water Supply will be provided by us at site.
3. Scaffolding material will be issued by Sam India erection will be done by Steel Art.
4. GST @ 12 % will be extra on above rates.
5. Security @ 5% will be deducted along with RA Bills and will be released after completion of work.
6. If the work is not carried out as per requirement, than above said workorder can be terminated with seven days notice period by us.
7. PF Challan will be submitted with each bill as per Government Regulations.

Thanking You.

Yours Sincerely,
For Sam (India) Builtwell Pvt Ltd





WINGSTER ENGINEERS Pvt. Ltd.

www.wingsterengineers.com

Dept.: Surface Transport

Ref: 7502/SUB/AKG/Zambia/xxxxx

Date: 16th September 2020

Service Order (SO)

To,

M/s. Steel Arts

R Z 16,H-BLOCK WEST SAGAR PUR,

New Delhi, 110046

Ph. No. +91 9999424252

Email- chauhansteelarts@yahoo.in

Kind Attention: Pawan Chauhan

Subject: Service Order (SO) for Erection including manpower, Site Acceptance, Testing and handover of Structural Glazing, ACP, S.S. Railing, Glass, S.S. Canopy, Decorative FRP/GRC jail & Aluminum, Glass Doors & Windows for Design & Construction of Lusaka City Decongestion Project on Engineering Procurement & Construction (EPC) Basis, Zambia

- Ref:**
1. Our enquiry mail dt. 20.12.2019, 08.01.2020 & 20.06.2020
 2. Your Quotation dt. 06.01.2020, 16.01.2020, 05.02.2020, 25.02.2020, 18.03.2020, 09.04.2020, 24.04.2020, 25.06.2020 & 03.07.2020
 3. Meeting held at our H.O. dated 28.01.2020 & 16.03.2020 & on Video Conference dated 19.06.2020 & 01.07.2020
 4. Your acceptance to our proposed Payment Terms dt. 18.05.2020
 5. Our LOI dated xx.xx.2020

Dear Sir,

With reference to the above quotation and the subsequent discussions you had with us, during the course of which, the entire scope of work and detailed terms and conditions have been agreed, we are pleased to issue this Service Order (SO) for the subject work on the terms and conditions set forth in this Service Order.

Regd. Office: 708, 7th Floor, PP Trade center, Netaji Subhash Place, New Delhi-110034

Office Ph: 011-4135040 CIN: U74140DL2015PTC279907



WINGSTER ENGINEERS Pvt. Ltd.

www.wingsterengineers.com

1. General Definitions:

Client/Employer/ Company	:	Ministry of Local Government, Zambia.
Project	:	Design & Construction of Lusaka City Decongestion Project on Engineering Procurement & Construction (EPC) Basis, Zambia
Contractor	:	M/s Wingster Engineers Pvt. Ltd..
Service Provider	:	M/s Steel Arts
Certifying Authority	:	Client/ Design Consultant/ Contractor
Main Contract	:	CONTRACT BETWEEN EMPLOYER AND THE CONTRACTOR

2. Scope of Work ("Work"):

The scope of work is to perform Installation, Erection including manpower, Site Acceptance, Testing and handover of Structural Glazing, ACP, S.S. Railing, Glass, S.S. Canopy, Decorative FRP /GRC jail & Aluminum, Glass Doors & Windows for our Lusaka City Decongestion Project in Zambia, as a Service Provider of Wingster **Engineers Pvt Ltd.**

The Service Provider shall carry out and complete the said work under this contract in every respect in conformity with the contract documents and with the direction of and to the satisfaction of the Contractor. The Service Provider shall furnish all labour, and equipment, necessary for Installation, Erection including manpower, Site Acceptance, Testing, handover of Structural Glazing, ACP, S.S. Railing, Glass, S.S. Canopy, Decorative FRP /GRC jail & Aluminium, Glass Doors & Windows as described in the Specifications and as shown on the drawings with maintenance & scheduled cleaning upto 12 Months from date of Hand Over. This also includes any incidental work not specifically mentioned herein or noted on the drawings / documents as being furnished or installed, but which are necessary and customary to be performed under this Service Order.

2.1. - Scope Included:

- a) Scope of work covered under this work shall be Erection including manpower, Site Acceptance, Testing and handover of Semi-unitized Structural glazing complete as per BOQ, specification and Drawings.
- b) The skilled & unskilled labours, tools & tackles as well as any other materials or equipment that may be required to complete installation in all respect, shall be provided by the Service Provider.
- i. Inspection and Testing as specified.
- ii. Scheduled cleaning & Maintenance upto 12 months from date of Hand over.
- iii. Erection including manpower, Site Acceptance, Testing and handover of Aluminium Composite Panel Cladding complete as per BOQ and instruction of EIC.



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- iv. Erection including manpower, Site Acceptance, Testing and handover of decorative FRP /GRC jali panels for front façade, service ducts complete as per BOQ and instruction of EIC.
- v. Erection including manpower, Site Acceptance, Testing and handover of Structural steel canopy with necessary fixtures etc. complete as per architectural drawing, BOQ and instructions of EIC.
- vi. Erection including manpower, Site Acceptance, Testing and handover of stainless steel (Grade 316) railing & railing with Glass & False Ceiling as per approval of Architect, BOQ and instructions of EIC.
- vii. Installation of 1 No. Cradle System.
- viii. Service Provider shall get design specification/drawings approved by Contractor/ Design Consultant prior to erection.
- ix. The Service Provider shall coordinate with Contractor/ Design Consultant for issue of related drawings to enable completion of interdependent activities during progress of the project.
- x. Fixing & Removal of temporary platform, scaffolding & temporary structures.
- xi. Rectification of work if any (Failure in Quality test) or due to change in drawing should be done by Service Provider.

2.2. Obligations by the Service Provider:

- i. The Service Provider shall comply with the timescale and shall mobilize its resources without delay to deliver the Services as defined herein in accordance with the programme, agreed between the parties.
- ii. For manpower deployment Service Provider has to sign an agreement as per the land of law of Zambia (applicable laws) with Contractor.
- iii. During Execution Stage, the Service Provider shall perform the services with due diligence and comply with the instructions of the Contractor / Consultant / Client issued from time to time. If the Client abandons the Project or any other reason beyond the control of Contractor, same shall be communicated to the Service Provider with a notice period of 15 days, who shall immediately make arrangement to stop the services and minimize expenditure. Nothing extra shall be payable in this regard.
- iv. The persons deployed shall be required to report for work at scheduled time as directed by Contractor or any other officer concerned and would work as per Contractor's time schedule. Service Provider shall not allow their deployed person to leave the Site without prior approval by the Contractor. It is the responsibility of Service Provider to execute and discharge their responsibility without hampering site activity and may require deputing substitute in lieu of the absenteeism for achieving required quality standard.
- v. The Contractor shall not be responsible for any financial loss or any injury/natural death to any person deployed by the Service Provider employed (directly, indirectly or through Service Provider's vendor) in the course of their performing the functions/duties, or for payment towards any compensation.
- vi. The persons deployed by the Service Provider (employed directly, indirectly or through Service Provider's vendor) shall not claim nor shall be entitled to pay, perks and other facilities admissible



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to regular / confirmed employees of the Contractor during the currency or after expiry of the Agreement.

- vii. The Service Provider shall provide a substitute well in advance if there occurs any probability of the person, leaving the job due to his/her own personal reasons.
- viii. The Service Provider shall maintain all statutory registers under the law and shall produce the same, on demand, to the representative of the Contractor or any other authority under Law.

2.3. Engineering Services:

The Service Provider shall provide engineering services, which shall include, but not necessarily be limited to, the following: -

Providing/coordinating detailed design of all activities within the scope of work.

Resolving engineering queries related to the drawings, equipment and components within the scope of work.

Performing all relevant calculations pertaining to the systems, equipment and components within the scope of work.

Carefully study the latest revision of all the drawings and documents prior to commencement of any work.

All other activities shall be as per Responsibility Scope Matrix defined in Annexure-2.

2.4. Facilities provided by Contractor

- a) Obtaining visa for Service Providers personnel, Afcons will Process for visa and bear the cost.
- b) Work Permit for Service Providers personnel, Afcons will Process for work permit and bear the cost.
- c) Fair Accommodation at site on sharing basis. On Non-Debitable Basis.
- d) Fooding (Breakfast, Lunch & Dinner at site). On Non-Debitable Basis.
- e) Local Transport from Camp to Workplace on sharing basis. On Non-Debitable Basis.
- f) Water & power facility at Labour Camp. On Non-Debitable Basis.
- g) Salary to Service Providers personnel as per minimum wages. Same amount will be debited from Service Providers bills.
- h) Scaffolding material required for execution as per availability & as mentioned in Annexure 2 (Responsibility Scope Matrix)
- i) 8 Nos Unskilled manpower shall be provided as per requirement & based on prior intimation by the Service Provider. However supervision of the manpower shall be in the scope of Service Provider.
- j) Suitable Equipment for unloading of material from Containers.
- k) 3 Nos. LPG Cylinders & 10 Nos)2 Cylinders shall be provided by the Contractor.
- l) All facilities provided to the Service Provider other than mentioned above shall be on debitable basis (unless wherever mentioned).



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3. Interpretation of Service Order:

The Service Order shall be deemed to have full knowledge of the Contract and in so far as any ambiguity or doubt may arise as to the meaning of any of the provisions or descriptions in this Service Order, the decision of Engineer In Charge/ Design Consultant shall be considered in order to resolve any such ambiguity or dispute and whenever possible, this Service Order shall be construed consistently with the requirements of the Contract Documents and provisions in so far as they may concern the works to be carried out and goods or materials to be supplied under this Service Order.

4. Technical Specifications:

The whole work shall meet the specifications mentioned in the BOQ & Approved Drawings.

5. Contractor/Client supplied Data:

- a) The Service Providers shall perform the Work based, inter alia, upon the Contractor Supplied Data enclosed with the order. The Service Providers shall not in any way be relieved from any obligation under the Service Order should any information, documentation, design or drawings, whether obtained from the Contractor or otherwise and whether or not forming part of the Service Order before or after the Commencement Date, be either incorrect or insufficient or both and shall make its own enquiries as to the accuracy and adequacy of such information.
- b) The Service Provider shall notify the Contractor, as soon as it is reasonably practicable, if it considers that any Contractor Supplied Data is insufficient to enable it to perform the Work or if there are any important inconsistencies in any Contractor Supplied Data and shall abide by all instructions given by the Contractor and to resolve any inconsistency.

6. Order Value:

The total value for the service considered in the Priced Bill of Quantities enclosed at accepted rates indicated therein for the subject scope of work defined in this Service order is as under

INR 7,80,00,000

(INR Seven Crores and eighty lakhs only)

The Service Provider shall be deemed to have satisfied itself as to the correctness and sufficiency of the Total Price, which shall cover all its obligations under the Service Order.

Price Basis:

- TDS/ withholding tax will be deducted @ applicable rate from the payments made to the Service Providers. Necessary Tax deduction certificate will be issued by Contractor.

Regd. Office: 708, 7th Floor, PP Trade center, Netaji Subhash Place, New Delhi-110034

Office Ph: 011-4135040 CIN: U74140DL2015PTC279907



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- NAPSA charges are included in the above price and will be borne by the Service Provider.
- The rates/ price shall be firm and shall not be subject to any escalation till successful completion of the Work.
- The above price includes cost of Visits of Management, Quality Team & others if any.
- The price includes of Salary for workmen to be deployed by Service Provider.
- **The above price is fixed irrespective of the work duration**
- **The following number of manpower shall be deployed by the Service Provider.**
 - Project Manager – 1 No.
 - Engineer – 1 Nos.
 - Planning Engineer – 1 No.
 - Semi Skilled (for ACP, Glazing, Doors, Windows, Canopy & False Ceiling) – 18 Nos
- **Actual Personnel deployment may vary based on availability of front & timeline schedule for completion of works.**

The Service Order will be executed on unit item rate basis at accepted rates applied on the quantities given tentatively in the Priced Bill of Quantities enclosed. The rate shall remain firm and fixed for any variation in quantities till completion of Work.

The terms and conditions given in this Service order shall supersede the terms and conditions given in any other documents the extent they are at variance. In case of any conflict between the various parts of the Order documents the decision of the Contractor's Engineer in-Charge shall be final and binding.

7. Schedule of Work:

The work must be completed as per the requirement of the project by the Service Provider. The supply of the material shall differ as per the requirement of the Contractor. The Service Provider shall provide detailed work schedule matching with the project requirement highlighting all critical milestones.

Billing & Consignee Address:

Unit 709
PP Trade Center
Netaji Subash Place
New Delhi 110034



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7.1 Deputation of Manpower and Equipment at Project Site:

The Service Provider shall deploy all necessary manpower, for safe and timely execution of the work. The Service Provider shall warrant that its personnel are fit for the work and has the capacities and capabilities to execute the work without any frustration or disruption. There shall not be any claim towards work interruption due to safety, monsoons, work permits etc. There shall not be any idle time charges payable whatsoever. There shall not be any claim towards extended stay compensation.

Service Provider personnel shall be appropriately qualified, skilled and experienced in their respective occupation. Prior to dispatching of the Personnel, the Service Provider shall send the C.V. of the said Personnel in due/ appropriate time. The Contractor may require the Service Provider to remove any person employed on the site, who:

- persist in any misconduct or lack of care
- carries out duties incompetently or negligently
- fails to conform with any provisions of the Service Order or,
- persist in any conduct which is prejudicial to safety, health, or the protection of the Site and Environment
- is involved in unlawful activities

In such a case, the Service Provider shall appoint a suitable replacement person. The cost of the replacement shall be borne by the Service Providers.

Service Provider representative shall remain at the Project Site till the satisfactory completion of work

The Service Provider shall take all precautions for the safety of persons including third party and property with respect to performance of this Service Order and comply with the necessary safety measures as per provisions of applicable law's ordinance, rules, regulations, orders and also as per requirement of the Client.

The Service Provider personnel shall be integrated in the Contractor's Site organization and must follow and obey the Contractor's instructions and decisions at site.

8. Insurance:

Unless otherwise provided in the Main Contract,

- i. CAR Policy including Third Party Liability cover shall be taken by the Contractor.
- ii. Deductibles of CAR Policy shall be borne by the Service Provider.
- iii. Service Provider policies shall be primary in nature and shall receive contribution from the Insurance Policies taken by the Contractor.
- iv. Service Providers shall have waiver of Subrogation against Afcons and all its associates (including Client, JV / consortium partners, etc.) in all its insurance policies (except in workmen compensation policy)

9. Indemnity:

The Parties agree to apply indemnity scheme in respect to personnel, property as follows,



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- i. No fault indemnity basis (i.e. indemnity given by a Party to the other Party shall be regardless of cause) for personnel and property of Service Providers, its subcontractors, Contractor).
- ii. Fault based indemnity (i.e. indemnity given by a Party to the other Party shall be based on negligence or fault or fraud of that Party), for personnel and property of Third Party.

Indemnity by the Employer shall be passed on to the Service Providers to the extent the Employer indemnifies Contractor's Service Providers under the Main Contract.

Indemnity shall not cover damage or injury caused due to cases of gross negligence or willful misconduct.

10. Handing Over of Site:

The work front will be made available in different phases and there may be temporary discontinuity of work due to non – availability of work front, non – availability of working drawings, supply of materials / consumables within the scope of the Contractor, in time. No claims shall be entertained for idling time on any of these accounts, whatsoever. However care shall be taken that uninterrupted Work Front is made available to the Service Provider at site.

11. Contract Data:

Cl. No.	CLAUSE (from General Conditions)	PAGE	DETAILS
2.1 (k)	Effective Date of Service Order/ Commencement date	2	The Service Order will be deemed effective from the date of receipt of first lot of material at Project Site or any other date confirmed by EIC/Contractor, whichever is earlier.
2.1 (h)	Execution Schedule	2	Erection works shall start at the project site upon receipt of 1 st lot of material at Project Site & shall complete within 150 Days from the date of manpower mobilisation at site (or as per agreed schedule). The work shall be performed as per instructions and time period given by Project In-Charge.



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16	Performance bank Guarantee (PBG)	8	5% (Five) of the gross value of the Order to be issued within 15 days from the Effective Date of Order and shall be released on completion of DLP
11	Defects Liability Period (DLP)	6	12 months commencing from the date of Provisional Certificate (the "Defect Liability Period") by the Contractor. Rectification cost will be borne by Service Provider
10	Liquidated Damages	6	The rate of Liquidated Damages shall be 1% of the total Service Order value for each week of delay subject to a maximum of 10% of the total Service Order value for overall completion. LD will be applicable for the reasons attributable to Service Provider only.
31	Terms of Payment	16	No Advance payment Payment shall be released within 45 days after submission of Invoice against Erection of material complete as per specifications, satisfaction of EIC & subject to certification by Client
<u>Cl. No.</u>	CLAUSE (from General Conditions)	PAGE	DETAILS
			<p>Service Provider against the monthly Invoice will be made via TT remittance in equivalent INR Currency (as per the conversion rate received from Bank of Zambia) on date of release of payment.</p> <p>Withholding Tax (TDS) will be deducted from payment at applicable rate. TDS Certificate will be issued from site.</p> <p>Monthly Salaries as per the Zambian Laws will be paid to manpower of Service Provider directly by Contractor and same will be deducted while releasing the payment to Service Provider against their monthly invoice.</p> <p>Service Provider shall submit No Dues Certificate on their letter head against each invoice.</p>



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17	Retention Money	8	<ol style="list-style-type: none">2.5% of every Bill shall be withheld as cash retention.2.5% shall be held from outstanding amount of Service Provider due with the Contractor on account of payment due from any other project.Retention money shall be released (without any interest) after the end of defects liability period.In case of non-responsiveness to rectify the defects, Contractor reserves the right to utilize the retention money/BG for rectification & making good the defects noticed during DLP. No claims/disputes on this account shall be entertained.
33	Measurement and Certification of Works	16	The mode of measurements shall be as per units mentioned in the BOQ.

12. Other Terms and Conditions:

a. General terms and Conditions:

The General Conditions of Service Order shall be as per attached Exhibit 2: General Conditions of Subcontract.

The Terms and Conditions appearing herein shall prevail over the General Conditions of Service Order to the extent they are at variance.

- b. The Service Provider shall be deemed to have full knowledge of the project requirements (shall mean the documents and Annexure attached in herein) and the Site conditions. The Service Provider shall be construed consistently with the Project requirements and in so far as they may concern the works to be carried out and goods or materials to be supplied under the Service Order.

13. Governing Laws and Settlement of Disputes:

This Service Order shall be governed by and is construed in accordance with Indian laws.

In the event that any Dispute arises between the Parties, the Parties shall first use their reasonable efforts to reach an amicable solution of any Dispute by means of direct negotiation within fifteen

(15) days from the date that a Party notifies the Dispute, failing which any Party may refer such Dispute to the Courts of Mumbai Jurisdiction.

Notwithstanding the fact that settlement of dispute(s) (if any) may be pending, the Service Provider shall continue to be governed by and perform the works in accordance with the provisions of the Service Order.



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14. Force Majeure:

Neither Party hereto shall be responsible hereunder (save for the payment of monies then due) for any delay, default or non-performance of this Service Order to the extent that such delay, default or non-performance shall be occasioned by any event or circumstance beyond the reasonable control of the Party, including, but not limited to, acts of God, labour strikes, lockouts or other labour difficulties, civil commotion, criminal acts of third persons, acts or omissions of sovereign states, fire, unavoidable accidents, seriously adverse weather conditions or war (whether declared or undeclared) and/or epidemic and pandemic. In case of a force majeure condition as described hereinabove the Service Provider shall be entitled to an equivalent extension of time as may be the delay caused by such force majeure condition. The settlement of any strike shall be at the complete discretion of the Party whose employees are on strike. In the event that the services are subject to a continuous delay by reason of Force Majeure which exceeds 30 (thirty) days then each Party shall have the right to terminate the Agreement by serving a notice for termination. All amounts due to the Service Provider should be paid by the Contractor for work performed prior to the force majeure event.

15. Order of Precedence:

The Service Order is the full agreement between the Parties and includes the following documents which shall be taken as mutually explanatory of one another and shall be deemed to form and be read and construed as integral parts of this Service Order and in case of any discrepancy, conflict, dispute they shall be referred to in the order of priority as follows,

1. This Service Order
2. Following Annexure of the Service Order: - Annexure 1:
Bill of Quantities
Annexure 2: Responsibility scope matrix
Annexure 3: Drawings (**Provided by mail dated 20.06.2020**)
Annexure 4: HSE requirements
Annexure 5: Declaration for HSE Compliance Annexure 6:
HSE Encouragement procedure
Annexure 7: Work Program (**to be submitted by Service Provider**)
Exhibit 1: Format of Performance Bank Guarantee. Exhibit 2:
General Conditions of Service Order Exhibit 3: Declaration by
the Service Provider

The terms and conditions given in this Service order shall supersede the terms and conditions given in any other documents the extent they are at variance. In case of any conflict between the various parts of the Order documents the decision of the Contractor's Engineer in-Charge shall be final and binding.



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The Service Order constitutes the entire agreement between the Contractor and the Service Provider with respect to the subject matter of the Service Order and supersedes all communications, negotiations, and agreement (whether written or oral) of the parties with respect thereto made prior to the date of this Subcontract

Thanking you, Yours faithfully,

For Wingster Engineers Pvt Ltd

Received and Accepted By

M/s Steel Arts

(Signed and Stamped)

PARNIKA
Commercial & Estates (P) Ltd.
An ISO 9001/2008 Co.
CIN NO. U74899DL1989PTC038223

WORK ORDER

WORK ORDER/MUM-HOSTEL/RAILING /HO/20-21/08

Date: 28.12.2020

PART I

To,

STEEL ARTS
RZ-18, H-BLOCK,
WEST SAGARPUR
NEW DELHI - 110046

Site Name	Hostel No-17, IIT Mumbai, Pawai, Mumbai-400076		
Contract Basis	Item Rate	WO Value	Rs. 31,50,000/-
(Rupees Thirty One Lacs Fifty Thousand Only).			

M/s STEEL ARTS			
PAN No	ADRPC6653M	EPF No	DLCPM1606741000
GST NO	27ADRPC6653M1ZY	ESI No	20001260170000999
Contact Person	Mr. Pawan Kumar Chauhan		
Mobile No	9999424252		
Email ID			

M/s Parnika Commercial & Estates Pvt Ltd			
GST NO	27AAACP0555C1ZV	PAN No	AAACP0555C
Contact Person	Mr. S P Dwivedi		
Mobile No	7011292843		
Email ID	Parnika.hostel17@gmail.com		

Subject: Work Order for Providing and fixing SS Railing work for our site Hostel No-17, IIT Mumbai, Pawai, Mumbai-400076

Dear Sir,

With reference to quote submitted by you and further discussion, we are pleased to place the work order on you. Rates are including all taxes such as entry tax, octroi, EPF, ESI etc except GST. Which shall be paid extra as applicable.



D-64, 6th Floor Himalaya House,
23, K.G.Marg, New Delhi-110001. Tel: 011-23356422,424,426
Fax: 011-23315101, E-mail ho@parnika.co.in

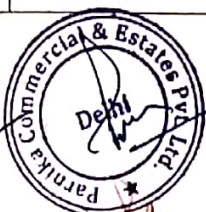
Special Conditions of Contract

PART I (Cont...)

S No.	Conditions	Description
1	Definitions	In these conditions of contract, the following terms shall have the meaning here in assigned to them except where the context otherwise requires. (a) Client. Client shall mean the CPWD and its executors, permitted assigns. (b) Company. Company shall mean M/s Parnika Commercial & Estates Pvt Ltd. (c) Contractor or Agency. Contractor shall mean M/s STEEL ARTS shall include its executors, successors, administrators, partners and permitted assigns. (d) EIC. Company's Engineer-in-Charge.
2	Scope of Contractor	Work Order for Providing and fixing SS Railing work as per Annexure 'A' BOQ in all respects.
3	Possession of Site	Immediately on award of work.
4	Date of Commencement	Date of the Work Order.
5	Time of Completion	3 months from the date of issue of work order.
6	Payment Terms	Running account bill shall be submitted by the contractor fortnightly along with measurement sheets jointly prepared by EIC. Any payment would be made after verification and satisfaction of the EIC. Payment shall be released within 15 days after submission of all necessary documents and their due verification at site. Fluctuation on rates of imported items, if any, will be borne by Contractor.
7	Retention Money	(a) 5% of the work done shall be deducted from each R.A. Bill. (b) 100% of the retention money shall be released on successful completion of Defect Liability Period. No interest shall be payable on Security deposit / Retention money.
8	Tax & Duties	(a) Rates are excluding GST @ 12% (or as applicable at the time of billing) and shall be reimbursed only after you have deposited the GST amount with concerned authority & same is displayed on GST portal. (b) TDS as applicable shall be deducted from RA Bills.
9	Defect Liability Period	Defect Liability Period shall be for 12 months from the date of handing over by Client. During this period, Contractor shall be bound to replace and/or rectify and make good all defective materials, equipment and/or workmanship which arise in the works or come to our notice / Client notice at his own Cost nothing shall be paid as extra in the account. DLP considered against supply, assembling, installation and manufacturing defect except civil work.
10	Freight / Transit Insurance	Included in Rates.
11	Mode of Measurement	Measurements shall be recorded as per the methods of measurements as mentioned in the TECHNICAL SPECIFICATION, CPWD specifications and the relevant IS codes and as per the actual work done at site as agreed and certified by the PCEPL Engineer in charge and Client.



12	Force Majeure	<p>For the purposes hereof, "Force Majeure" means all events which include acts of God, war, hostilities, riots, civil commotion, strikes, restraint by government rule, earthquake, flood, fire, collision, acts of government, COVID-19 or other natural physical disaster.</p> <p>The Party claiming that a Force Majeure condition has occurred shall, immediately upon its commencement, notify the other party thereof in writing of the occurrence of such Force Majeure conditions.</p> <p>Both Parties shall make every reasonable effort, within their power or control to minimize the effect of Force Majeure upon the work to be carried out under this Contract. The Party claiming that a state of Force Majeure exists shall notify the other party immediately after the condition of Force Majeure shall have ceased. Within 15 (Fifteen) days of such notice the Parties hereto shall meet to mutually agree on a plan for resumption of work under this contract.</p>
13	Additional Conditions	<p>(a) You shall comply with quality assurance and Inspection requirements as per directions of Engineer-in Charge and client.</p> <p>(b) Any material/equipment which are not as per the specification or are not of standard quality or not of the approved make as decided by the client shall be rejected.</p> <p>(c) The Contractor shall throughout the execution and completion of the works and the remedying of any defects therein shall have full regard to the safety of all persons deployed at site and keep the site and the works in an orderly state appropriate to the avoidance of danger / accident. Any theft related to T & M and material brought by you at site shall be in scope of contractor.</p> <p>(d) Technical data sheets of material/ equipment and GA drawings shall be got approved within 21 days by you from the client through us. The shop drawings shall be got approved well before the execution of any part/component subject to prior intimation before procurement by company.</p> <p>(e) DELIVERY PERIOD: All materials must be dispatched within the delivery period specified in the order after mutual agreement unless extended by us in writing, otherwise PCEPL shall have the option to select the supplier or arrange the same at your risk and cost.</p> <p>(f) INSURANCE: Transit insurance for material brought at site is in the scope of contractor.</p> <p>(g) INVOICE: Contractor's Tax Invoices are to be sent to our project address in duplicate mentioning WO No. & Date.</p> <p>(h) Material Test Certificate required to be provided by the contractor for all material /equipment.</p> <p>(i) The contractor shall remove the rejected material from the site immediately and company shall not be responsible for its watch and wards.</p> <p>(j) The contractor shall provide all the warranties / guarantees from the supplier of equipment/ materials in the name as desired by the client.</p> <p>(k) All materials purchased and issued by company on your behalf if and when required for efficient working shall be debited to your account. The adequate debit note (with a surcharge of 5%) would be raised at the time of issuance of material by representative of company. Prior intimation shall be given by the company before procuring any material/equipment.</p> <p>(l) Charges for any third party testing and Factory acceptance test as</p>

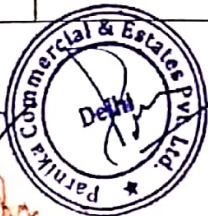


		and when desired by the client shall be in the scope of contractor excluding lodging & boarding of the officers.
	(m)	As built drawings and list of inventories shall be prepared and given to us before completion of work.
	(n)	You are requested to get all the equipment's Plant/Machinery insured which are to be brought at site. Company shall not be responsible for any damage to your equipment's due to whatsoever reason including God's Act during the period these are at site.

Note : In case of discrepancy between any clause of BOQ Part I & Part II Then the order of Precedence will be 1. BOQ, 2. Part I, 3. Part II.

PART-II
General Conditions of Contract

1	Time Schedule & Progress	(a) You are required to submit the detailed CPM chart depicting the various milestone events and activities planned along with their likely time schedules etc for approval of Client. In case of changes in schedule submitted by you are required by Client, you shall be required to adhere to the same. (b) Contractor shall mobilize and employ sufficient resources for completion of all the works as indicated in the agreed BAR CHART. (c) Contractor to submit project schedule and daily progress report in prescribed format on routine basis.
2	Method Statement & Shop Drawings	You are required to submit a method statement highlighting the method of executing the hazardous operation during execution of the contract. All the approvals required for method statement, GFC drawings etc from Client shall be your responsibility.
3	RA Bill Payments	Payment shall be normally released within 15 days after submission of all necessary documents and their due verification at site.
4	Final Bill & Payment	Final bill shall be paid within 60 days after successful completion of work, submission of all necessary documents and their due verification at site.
5	Proof of Payment	(a) Proof of Payment to the worker & staff at site in the form of Muster roll / Pay slip to be attached in every RAR. (b) Original tax invoices for material used needs to be produced by the contractor if asked for by EIC for verification purposes.
6	Staff	Contractor will station minimum one qualified Engineer and technical supervisor at site to supervise and coordinate the activities as per directions of our EIC.
7	Extra Item/Additional Work	Rates shall be as decided mutually.
8	Reconciliation	Contractor is required to provide the reconciliation of all the material provided by Company free of charge (FOC) in each RA Bill and incase of wastage recovery will be done @ 1.25 times of value of material.
9	Escalation and Statutory Variation	Any escalation in the prices of materials, fuel, power, light and labour wages etc during the currency of contract and in the extended period if any shall not be considered or reimbursed. However, any change in GST shall be to the account of the Company.
10	Water & Electricity	We shall provide electricity & water at one point free of cost and further distribution/ extension shall be done by Contractor at his own cost.



11	Safety and Security Arrangements	All adequate safety including PPE and security arrangements to be done by you at your own cost as per safety requirements for execution of such work and as required by client.
12	Construction Equipments	All constructions equipments to be arranged by the Contractor. Only three phase welding rectifier or DC machine shall be allowed for welding works, required if any.
13	Labour Camp / Site office /Store / Temporary Facilities	(a) Only space shall be provided by Company for site office & store. (b) However, labour hutment may be provided by company if available. The same is to be vacated in best of shape as per directions of EIC the (c) Other facilities to be arranged by the Contractor.
14	Manufacture test certificate	Contractor shall be required to submit original manufacture test certificate for every batch of material brought at site. No payment shall be made without test certificate of the item.
15	EPF & ESI No.	Contractor is required to submit EPF & ESI No within 15 days from the date of Order. No payment shall be released without submission of EPF and ESI paid challans.
16	Workmen Compensation Policy	Workmen Compensation Policy is in your scope.
17	Third Party Risk	Third Party Risk is in your scope. Requisite insurance may be submitted to concerned EIC.
18	Liquidated Damages	0.5% of the contract amount per week subject to a maximum of 5% of value of contract amount.
19	Jurisdiction	This work Order is governed by Indian Laws in force. The court of New Delhi alone shall have jurisdiction in all matters arising out of this Work Order.
20	Termination of Contracts / Scope of Reduction	The Company or EIC reserves the right to accept, split, divide, negotiate, cancel, reject or annul the work order at any time prior to the award without incurring any liability or obligation to affected contractor, the ground of such action without any notice and Contractor shall not be entitled to any compensation on this account.
21	Arbitration	Any disputes arising out of this Contract shall be referred to the mutually agreed sole arbitrator as per Arbitration & Reconciliation Act 1996 and his award shall be final and binding on both parties.
22	Housekeeping	During the execution of the work the contractor shall keep the site reasonably free from all the obstruction and shall store or dispose of any of his equipment and surplus materials and clear away and remove from the site any wreckage, malba, rubbish/garbage etc on daily basis. All malba / garbage and waste resulting due to execution of the work will be removed immediately from the site.
23	Site Clearance	(a) The Contractor is required to clear the site of all the debris, scrap and other waste material before the submission of final bill and shall obtain a certificate from Project-in-Charge on this account. (b) Agency shall have to clear all the liabilities for the project and submit a clearance certificate to site authorities before demobilization from the work place. Company shall not be responsible for your liability on any account.
24	Client Documents	The BOQ, Technical Specifications and drawings of client has already been shared with you. In case of any discrepancy in the language / spelling in the BOQ annexed here and the language / spelling of BOQ of client, the language / spelling of BOQ of client shall take precedence.



25	Technical Specification	Already shred with you.
26	List of Approved Make	Enclosed as Annexure 'B'.
27	Indemnify	You shall keep the Company indemnified against all claims, damages or Compensation under the provision of payment Act, 1923, Industrial Disputes Act 1947 and the maternity Benefit Act 1961 as amended law up to date or any other law relating thereto and rules made their under from time to time or as a consequence of any accident or injury to any workman or any other persons in or around the works, whether in your employment or not during the currency of this work order.

You are requested to sign and return the duplicate copy of this work order as token of your acceptance.

Yours sincerely,

Parnika Commercial & Estates Pvt Ltd

STEEL ARTS



(Authorized Signatory)

(Authorized Signatory)

Enclosure:

- (a) Annexure 'A' BOQ (Containing 01 page)
- (b) Annexure 'B' List of Approved Make (Containing 01 page)

Annexure 'A' BOQ

Item No	Description Of Item	Qty	Unit	Rate	Amount
1	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	10	Tons	315000	3150000
	Total				31,50,000

Parnika Commercial & Estates Pvt Ltd



(Authorized Signatory)

STEEL ARTS

(Authorized Signatory)

ANNEXURE-'B'

11	HIGH PRESSURE LAMINATES	FORMICA, MERINO, GREENLAM, CENTURY
12	FRD WOODEN FRAME & SHUTTERS	SUKRI, PROMAT, KUTTY, SIGNUM
13	FRD METAL FRAME & SHUTTERS	SUKRI, SHAKTI MATE HORMAN, KUTTY,
14	FIRE RATED GLASS	PILKINGTON, SCHOTT, FERILITE
15	HARDWARE FOR FIRE RATED DOORS	DORMA, INGERSOLL RAND, MARSHALL
16	INTUMESCENT STRIPS	PROMAT, PEMKO, INTUMEX, ASTROFLAME
17	SS DOOR HARDWARE	DORSET, PAG, GODREJ, KICH
18	MODULAR FURNITURE HARDWARE/ SS WIRE BASKETS	HETTICH/ HAFELE/ BLUM
19	PVC EDGE BANDING TAPE	REHAU/ DOLKIN
20	HOT MELT GLUE FOR EDGE BANDING TAPE	KLEIBERIT 773.3 / HENKEL
21	WOOD WORK	SAL WOOD
22	PLYWOOD	ANCHOR, ARCHID, KITPLY, GREEN PLY, CENTURY
23	BLOCK BOARD	CENTURY / GREEN PLY / ANCHOR / ARCHID
24	STAINLESS STEEL	JINDAL, SAIL, SALEM STEEL OR EQUIVALENT
25	VITRIFIED TILES/ CEREMIC TILES	KAJARIA, H & R JOHNSON, SOMANY, NITCO, ORIENT
26	POLYMER MODIFIED CEMENTITIOUS GROUT / CEMENT ADHESIVE / EPOXY GROUT	ARDEX ENDURA, LATICRETE, BAL ENDURA, FERROUSCRETE
27	POLYMER MODIFIED ADHESIVE MORTAR FOR AAC BLOCKS	WALPLAST, ULTRA TECH, SOUND BUILD CARE LTD., ECOLITE, FERROUSCRETE
28	P.V.C RAIN WATER PIPE	SUPREME, ASTRAL, ASHIRVAD, FINOLEX, PRINCE
29	READY MIXED CEMENT PLASTER	WALPLAST, ULTRA TECH, MADRAS CEMENT LTD, SOUND BUILD CARE LTD., FERROUSCRETE
30	GYPSUM LIGHT WEIGHT PLASTER	GYPROC, FERROUSCRETE, ULTRTECH
31	PAINTS	ICI, ASIAN PAINTS, BERGER PAINTS,

O/C

PARNIKA
Commercial & Estates (P) Ltd.
An ISO 9001/2008 Co.
CIN NO. U74899DL1989PTC038223

WORK ORDER

WORK ORDER/MUM-SINE/RAILING /HO/20-21/11

Date: 28.12.2020

PART I

To,

STEEL ARTS
RZ-18, H-BLOCK,
WEST SAGARPUR
NEW DELHI - 110046

Site Name	Sine IRCC & IDC, IIT Mumbai, Pawai, Mumbai-400076		
Contract Basis	Item Rate	WO Value	Rs. 15,75,000/-
(Rupees Fifteen Lacs Seventy Five Thousand Only).			

M/s STEEL ARTS			
PAN No	ADRPC6653M	EPF No	DLCPM1606741000
GST NO	27ADRPC6653M1ZY	ESI No	20001260170000999
Contact Person	Mr. Pawan Kumar Chauhan		
Mobile No	9999424252		

M/s Parnika Commercial & Estates Pvt Ltd			
GST NO	27AAACP0555C1ZV	PAN No	AAACP0555C
Contact Person	Mr. S P Dwivedi		
Mobile No	7011292843		
Email ID	Parnika.sineircc@gmail.com		

Subject: Work Order for Providing and fixing SS Railing work for our site Sine IRCC & IDC, IIT Mumbai, Pawai, Mumbai-400076

Dear Sir,

With reference to quote submitted by you and further discussion, we are pleased to place the work order on you. Rates are including all taxes such as entry tax, octroi, EPF, ESI etc except GST. Which shall be paid extra as applicable.



D-64, 6th Floor Himalaya House,
23, K.G. Marg, New Delhi-110001. Tel: 011-23356422, 424, 426
Fax: 011-23315101, E-mail ho@parnika.co.in

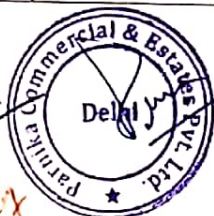
Special Conditions of Contract

PART I (Cont...)

S No.	Conditions	Description
1	Definitions	In these conditions of contract, the following terms shall have the meaning here in assigned to them except where the context otherwise requires. (a) <u>Client</u> . Client shall mean the CPWD and its executors, permitted assigns. (b) <u>Company</u> . Company shall mean M/s Parnika Commercial & Estates Pvt Ltd. (c) <u>Contractor or Agency</u> . Contractor shall mean M/s S R PHARMA EQUIPMENT shall include its executors, successors, administrators, partners and permitted assigns. (d) <u>EIC</u> . Company's Engineer-in-Charge.
2	Scope of Contractor	Work Order for Providing and fixing SS Railing work as per Annexure 'A' BOQ in all respects.
3	Possession of Site	Immediately on award of work.
4	Date of Commencement	Date of the Work Order.
5	Time of Completion	3 months from the date of issue of work order.
6	Payment Terms	Running account bill shall be submitted by the contractor fortnightly along with measurement sheets jointly prepared by EIC. Any payment would be made after verification and satisfaction of the EIC. Payment shall be released within 15 days after submission of all necessary documents and their due verification at site. Fluctuation on rates of imported items, if any, will be borne by Contractor.
7	Retention Money	(a) 5% of the work done shall be deducted from each R.A. Bill. (b) 100% of the retention money shall be released on successful completion of Defect Liability Period. No interest shall be payable on Security deposit / Retention money.
8	Tax & Duties	(a) Rates are excluding GST @ 12% (or as applicable at the time of billing) and shall be reimbursed only after you have deposited the GST amount with concerned authority & same is displayed on GST portal. (b) TDS as applicable shall be deducted from RA Bills.
9	Defect Liability Period	Defect Liability Period shall be for 12 months from the date of handing over by Client. During this period, Contractor shall be bound to replace and/or rectify and make good all defective materials, equipment and/or workmanship which arise in the works or come to our notice / Client notice at his own Cost nothing shall be paid as extra in the account. DLP considered against supply, assembling, installation and manufacturing defect except civil work.
10	Freight / Transit Insurance	Included in Rates.
11	Mode of Measurement	Measurements shall be recorded as per the methods of measurements as mentioned in the TECHNICAL SPECIFICATION, CPWD specifications and the relevant IS codes and as per the actual work done at site as agreed and certified by the PCEPL Engineer in charge and Client.



12	Force Majeure	<p>For the purposes hereof, "Force Majeure" means all events which include acts of God, war, hostilities, riots, civil commotion, strikes, restraint by government rule, earthquake, flood, fire, collision, acts of government, COVID-19 or other natural physical disaster.</p> <p>The Party claiming that a Force Majeure condition has occurred shall, immediately upon its commencement, notify the other party thereof in writing of the occurrence of such Force Majeure conditions.</p> <p>Both Parties shall make every reasonable effort, within their power or control to minimize the effect of Force Majeure upon the work to be carried out under this Contract. The Party claiming that a state of Force Majeure exists shall notify the other party immediately after the condition of Force Majeure shall have ceased. Within 15 (Fifteen) days of such notice the Parties hereto shall meet to mutually agree on a plan for resumption of work under this contract.</p>
13	Additional Conditions	<p>(a) You shall comply with quality assurance and Inspection requirements as per directions of Engineer-in Charge and client.</p> <p>(b) Any material/equipment which are not as per the specification or are not of standard quality or not of the approved make as decided by the client shall be rejected.</p> <p>(c) The Contractor shall throughout the execution and completion of the works and the remedying of any defects therein shall have full regard to the safety of all persons deployed at site and keep the site and the works in an orderly state appropriate to the avoidance of danger / accident. Any theft related to T & M and material brought by you at site shall be in scope of contractor.</p> <p>(d) Technical data sheets of material/ equipment and GA drawings shall be got approved within 21 days by you from the client through us. The shop drawings shall be got approved well before the execution of any part/component subject to prior intimation before procurement by company.</p> <p>(e) DELIVERY PERIOD: All materials must be dispatched within the delivery period specified in the order after mutual agreement unless extended by us in writing, otherwise PCEPL shall have the option to select the supplier or arrange the same at your risk and cost.</p> <p>(f) INSURANCE: Transit insurance for material brought at site is in the scope of contractor.</p> <p>(g) INVOICE: Contractor's Tax Invoices are to be sent to our project address in duplicate mentioning WO No. & Date.</p> <p>(h) Material Test Certificate required to be provided by the contractor for all material /equipment.</p> <p>(i) The contractor shall remove the rejected material from the site immediately and company shall not be responsible for its watch and wards.</p> <p>(j) The contractor shall provide all the warranties / guarantees from the supplier of equipment/ materials in the name as desired by the client.</p> <p>(k) All materials purchased and issued by company on your behalf if and when required for efficient working shall be debited to your account. The adequate debit note (with a surcharge of 5%) would be raised at the time of issuance of material by representative of company. Prior intimation shall be given by the company before procuring any material/equipment.</p> <p>(l) Charges for any third party testing and Factory acceptance test as</p>



		and when desired by the client shall be in the scope of contractor excluding lodging & boarding of the officers.
		(m) As built drawings and list of inventories shall be prepared and given to us before completion of work.
		(n) You are requested to get all the equipment's Plant/Machinery insured which are to be brought at site. Company shall not be responsible for any damage to your equipment's due to whatsoever reason including God's Act during the period these are at site.

Note : In case of discrepancy between any clause of BOQ Part I & Part II Then the order of Precedence will be 1. BOQ, 2. Part I, 3. Part II.

PART-II
General Conditions of Contract

1	Time Schedule & Progress	(a) You are required to submit the detailed CPM chart depicting the various milestone events and activities planned along with their likely time schedules etc for approval of Client. In case of changes in schedule submitted by you are required by Client, you shall be required to adhere to the same. (b) Contractor shall mobilize and employ sufficient resources for completion of all the works as indicated in the agreed BAR CHART. (c) Contractor to submit project schedule and daily progress report in prescribed format on routine basis.
2	Method Statement & Shop Drawings	You are required to submit a method statement highlighting the method of executing the hazardous operation during execution of the contract. All the approvals required for method statement, GFC drawings etc from Client shall be your responsibility.
3	RA Bill Payments	Payment shall be normally released within 15 days after submission of all necessary documents and their due verification at site.
4	Final Bill & Payment	Final bill shall be paid within 60 days after successful completion of work, submission of all necessary documents and their due verification at site.
5	Proof of Payment	(a) Proof of Payment to the worker & staff at site in the form of Muster roll / Pay slip to be attached in every RAR. (b) Original tax invoices for material used needs to be produced by the contractor if asked for by EIC for verification purposes.
6	Staff	Contractor will station minimum one qualified Engineer and technical supervisor at site to supervise and coordinate the activities as per directions of our EIC.
7	Extra Item/Additional Work	Rates shall be as decided mutually.
8	Reconciliation	Contractor is required to provide the reconciliation of all the material provided by Company free of charge (FOC) in each RA Bill and incase of wastage recovery will be done @ 1.25 times of value of material.
9	Escalation and Statutory Variation	Any escalation in the prices of materials, fuel, power, light and labour wages etc during the currency of contract and in the extended period if any shall not be considered or reimbursed. However, any change in GST shall be to the account of the Company.
10	Water & Electricity	We shall provide electricity & water at one point free of cost and further distribution/ extension shall be done by Contractor at his own cost.



11	Safety and Security Arrangements	All adequate safety including PPE and security arrangements to be done by you at your own cost as per safety requirements for execution of such work and as required by client.
12	Construction Equipments	All constructions equipments to be arranged by the Contractor. Only three phase welding rectifier or DC machine shall be allowed for welding works, required if any.
13	Labour Camp / Site office /Store / Temporary Facilities	(a) Only space shall be provided by Company for site office & store. (b) However, labour hutment may be provided by company if available. The same is to be vacated in best of shape as per directions of EIC the (c) Other facilities to be arranged by the Contractor.
14	Manufacture test certificate	Contractor shall be required to submit original manufacture test certificate for every batch of material brought at site. No payment shall be made without test certificate of the item.
15	EPF & ESI No.	Contractor is required to submit EPF & ESI No within 15 days from the date of Order. No payment shall be released without submission of EPF and ESI paid challans.
16	Workmen Compensation Policy	Workmen Compensation Policy is in your scope.
17	Third Party Risk	Third Party Risk is in your scope. Requisite insurance may be submitted to concerned EIC.
18	Liquidated Damages	0.5% of the contract amount per week subject to a maximum of 5% of value of contract amount.
19	Jurisdiction	This work Order is governed by Indian Laws in force. The court of New Delhi alone shall have jurisdiction in all matters arising out of this Work Order.
20	Termination of Contracts / Scope of Reduction	The Company or EIC reserves the right to accept, split, divide, negotiate, cancel, reject or annul the work order at any time prior to the award without incurring any liability or obligation to affected contractor, the ground of such action without any notice and Contractor shall not be entitled to any compensation on this account.
21	Arbitration	Any disputes arising out of this Contract shall be referred to the mutually agreed sole arbitrator as per Arbitration & Reconciliation Act 1996 and his award shall be final and binding on both parties.
22	Housekeeping	During the execution of the work the contractor shall keep the site reasonably free from all the obstruction and shall store or dispose of any of his equipment and surplus materials and clear away and remove from the site any wreckage, malba, rubbish/garbage etc on daily basis. All malba / garbage and waste resulting due to execution of the work will be removed immediately from the site.
23	Site Clearance	(a) The Contractor is required to clear the site of all the debris, scrap and other waste material before the submission of final bill and shall obtain a certificate from Project-in-Charge on this account. (b) Agency shall have to clear all the liabilities for the project and submit a clearance certificate to site authorities before demobilization from the work place. Company shall not be responsible for your liability on any account.
24	Client Documents	The BOQ, Technical Specifications and drawings of client has already been shared with you. In case of any discrepancy in the language / spelling in the BOQ annexed here and the language / spelling of BOQ of client, the language / spelling of BOQ of client shall take precedence.



25	Technical Specification	Already shared with you.
26	List of Approved Make	Enclosed as Annexure 'B'.
27	Indemnify	You shall keep the Company indemnified against all claims, damages or Compensation under the provision of payment Act, 1923, Industrial Disputes Act 1947 and the maternity Benefit Act 1961 as amended law up to date or any other law relating thereto and rules made their under from time to time or as a consequence of any accident or injury to any workman or any other persons in or around the works, whether in your employment or not during the currency of this work order.

You are requested to sign and return the duplicate copy of this work order as token of your acceptance.

Yours sincerely,

Parnika Commercial & Estates Pvt Ltd



(Authorized Signatory)

STEEL ARTS

(Authorized Signatory)

Enclosure:

- (a) Annexure 'A' BOQ (Containing 01 page)
- (b) Annexure 'B' List of Approved Make (Containing 01 page)

Annexure 'A' BOQ

Item No	Description Of Item	Qty	Unit	Rate	Amount
1	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	5	Tons	315000	15,75,000
Total					15,75,000

Parnika Commercial & Estates Pvt Ltd



(Authorized Signatory)

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05/1/21

STEEL ARTS

(Authorized Signatory)

ANNEXURE-'B'

11	HIGH PRESSURE LAMINATES	FORMICA, MERINO, GREENLAM, CENTURY
12	FRD WOODEN FRAME & SHUTTERS	SUKRI, PROMAT, KUTTY, SIGNUM
13	FRD METAL FRAME & SHUTTERS	SUKRI, SHAKTI MATE HORMAN, KUTTY,
14	FIRE RATED GLASS	PILKINGTON, SCHOTT, FERILITE
15	HARDWARE FOR FIRE RATED DOORS	DORMA, INGERSOLL RAND, MARSHALL
16	INTUMESCENT STRIPS	PROMAT, PEMKO, INTUMEX, ASTROFLAME
17	SS DOOR HARDWARE	DOOSET, PAG, GODREJ, KICH
18	MODULAR FURNITURE HARDWARE/ SS WIRE BASKETS	HETTICH/ HAFELE/ BLUM
19	PVC EDGE BANDING TAPE	REHAU/ DOLKIN
20	HOT MELT GLUE FOR EDGE BANDING TAPE	KLEIBERIT 773.3 / HENKEL
21	WOOD WORK	SAL WOOD
22	PLYWOOD	ANCHOR, ARCHID, KITPLY, GREEN PLY, CENTURY
23	BLOCK BOARD	CENTURY / GREEN PLY / ANCHOR / ARCHID
24	STAINLESS STEEL	JINDAL, SAIL, SALEM STEEL OR EQUIVALENT
25	VITRIFIED TILES/ CEREMIC TILES	KAJARIA, H & R JOHNSON, SOMANY, NITCO, ORIENT
26	POLYMER MODIFIED CEMENTITIOUS GROUT / CEMENT ADHESIVE / EPOXY GROUT	ARDEX ENDURA, LATICRETE, BAL ENDURA, FERROUSCRETE
27	POLYMER MODIFIED ADHESIVE MORTAR FOR AAC BLOCKS	WALPLAST, ULTRA TECH, SOUND BUILD CARE LTD., ECOLITE
28	P.V.C RAIN WATER PIPE	SUPREME, ASTRAL, ASHIRVAD, FINOLEX, PRINCE
29	READY MIXED CEMENT PLASTER	WALPLAST, ULTRA TECH, MADRAS CEMENT LTD, SOUND BUILD CARE LTD.
30	GYPSUM LIGHT WEIGHT PLASTER	GYPROC, ULTRTECH OR EQUIVALENT
31	PAINTS	ICI, ASIAN PAINTS, BERGER PAINTS, NEROLAC



0/c

PARNIKA
Commercial & Estates (P) Ltd.
An ISO 9001/2008 Co.
CIN NO. U74899DL1989PTC038223

WORK ORDER

WORK ORDER/MUM-HOSTEL/GLAZING /HO/20-21/09

Date: 23.12.2020

PART I

To,

STEEL ARTS
RZ-18, H-BLOCK,
WEST SAGARPUR
NEW DELHI – 110046

Site Name	Hostel No-17, IIT Mumbai, Pawai, Mumbai-400076		
Contract Basis	Item Rate	WO Value	Rs. 1,29,99,736/-
(Rupees One Crore Twenty Nine Lacs Ninety Nine Thousand Seven Hundred Thirty Six Only). Including GST			

M/s STEEL ARTS			
PAN No	ADRPC6653M	EPF No	DLCPM1606741000
GST NO	27ADRPC6653M1ZY	ESI No	20001260170000999
Contact Person	Mr. Pawan Kumar Chauhan		
Mobile No	9999424252		
Email ID			

M/s Parnika Commercial & Estates Pvt Ltd			
GST NO	27AAACP0555C1ZV	PAN No	AAACP0555C
Contact Person	Mr. S P Dwivedi		
Mobile No	7011292843		
Email ID	Parnika.hostel17@gmail.com		

Subject: Work Order for Providing and fixing Structural Glazing work for our site Hostel No-17, IIT Mumbai, Pawai, Mumbai-400076

Dear Sir,

With reference to quote submitted by you and further discussion, we are pleased to place the work order on you. Rates are including all taxes such as entry tax, octroi, EPF, ESI etc except GST. Which shall be paid extra as applicable.



D-64, 6th Floor Himalaya House,
23, K.G.Marg, New Delhi-110001. Tel: 011-23356422,424,426
Fax: 011-23315101, E-mail ho@parnika.co.in

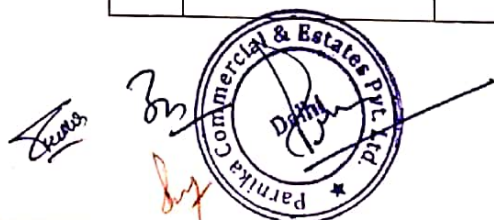
Special Conditions of Contract

PART I (Cont...)

S No.	Conditions	Description
1	Definitions	In these conditions of contract, the following terms shall have the meaning here in assigned to them except where the context otherwise requires. (a) <u>Client</u> . Client shall mean the CPWD and its executors, permitted assigns. (b) <u>Company</u> . Company shall mean M/s Parnika Commercial & Estates Pvt Ltd. (c) <u>Contractor or Agency</u> . Contractor shall mean M/s STEEL ARTS shall include its executors, successors, administrators, partners and permitted assigns. (d) <u>EIC</u> . Company's Engineer-in-Charge.
2	Scope of Contractor	Work Order for Providing and fixing Structural Glazing work as per Annexure 'A' BOQ in all respects.
3	Possession of Site	Immediately on award of work.
4	Date of Commencement	Date of the Work Order.
5	Time of Completion	5 months from the date of issue of work order.
6	Secured Advance	(a) 70% of cost of material after delivery of Material except Glass. (b) 50% of cost of Glass after delivery of Glass.
7	Payment Terms	Running account bill shall be submitted by the contractor fortnightly along with measurement sheets jointly prepared by EIC. Any payment would be made after verification and satisfaction of the EIC. Payment shall be released within 15 days after submission of all necessary documents and their due verification at site. Fluctuation on rates of imported items, if any, will be borne by Contractor.
8	Retention Money	(a) 5% of the work done shall be deducted from each R.A. Bill. (b) 100% of the retention money shall be released on successful completion of Defect Liability Period. No interest shall be payable on Security deposit / Retention money.
9	Tax & Duties	(a) Rates are excluding GST @ 12% (or as applicable at the time of billing) and shall be reimbursed only after you have deposited the GST amount with concerned authority & same is displayed on GST portal. (b) TDS as applicable shall be deducted from RA Bills.
10	Defect Liability Period	Defect Liability Period shall be for 12 months from the date of handing over by Client. During this period, Contractor shall be bound to replace and/or rectify and make good all defective materials, equipment and/or workmanship which arise in the works or come to our notice / Client notice at his own Cost nothing shall be paid as extra in the account. DLP considered against supply, assembling, installation and manufacturing defect except civil work.
11	Freight / Transit Insurance	Included in Rates.



12	Mode of Measurement	Measurements shall be recorded as per the methods of measurements as mentioned in the TECHNICAL SPECIFICATION, CPWD specifications and the relevant IS codes and as per the actual work done at site as agreed and certified by the PCEPL Engineer in charge and Client.
13	Force Majeure	<p>For the purposes hereof, "Force Majeure" means all events which include acts of God, war, hostilities, riots, civil commotion, strikes, restraint by government rule, earthquake, flood, fire, collision, acts of government, COVID-19 or other natural physical disaster.</p> <p>The Party claiming that a Force Majeure condition has occurred shall, immediately upon its commencement, notify the other party thereof in writing of the occurrence of such Force Majeure conditions.</p> <p>Both Parties shall make every reasonable effort, within their power or control to minimize the effect of Force Majeure upon the work to be carried out under this Contract. The Party claiming that a state of Force Majeure exists shall notify the other party immediately after the condition of Force Majeure shall have ceased. Within 15 (Fifteen) days of such notice the Parties hereto shall meet to mutually agree on a plan for resumption of work under this contract.</p>
14	Additional Conditions	<p>(a) You shall comply with quality assurance and Inspection requirements as per directions of Engineer-in Charge and client.</p> <p>(b) Any material/equipment which are not as per the specification or are not of standard quality or not of the approved make as decided by the client shall be rejected.</p> <p>(c) The Contractor shall throughout the execution and completion of the works and the remedying of any defects therein shall have full regard to the safety of all persons deployed at site and keep the site and the works in an orderly state appropriate to the avoidance of danger / accident. Any theft related to T & M and material brought by you at site shall be in scope of contractor.</p> <p>(d) Technical data sheets of material/ equipment and GA drawings shall be got approved within 21 days by you from the client through us. The shop drawings shall be got approved well before the execution of any part/component subject to prior intimation before procurement by company.</p> <p>(e) DELIVERY PERIOD: All materials must be dispatched within the delivery period specified in the order after mutual agreement unless extended by us in writing, otherwise PCEPL shall have the option to select the supplier or arrange the same at your risk and cost.</p> <p>(f) INSURANCE: Transit insurance for material brought at site is in the scope of contractor.</p> <p>(g) INVOICE: Contractor's Tax Invoices are to be sent to our project address in duplicate mentioning WO No. & Date.</p> <p>(h) Material Test Certificate required to be provided by the contractor for all material /equipment.</p> <p>(i) The contractor shall remove the rejected material from the site immediately and company shall not be responsible for its watch and wards.</p> <p>(j) The contractor shall provide all the warranties / guarantees from the supplier of equipment/ materials in the name as desired by the client.</p> <p>(k) All materials purchased and issued by company on your behalf if and when required for efficient working shall be debited to your account. The adequate debit note (with a surcharge of 5%) would be raised at the time of issuance of material by representative of company. Prior</p>



 Parnika Commercial & Estates Pvt. Ltd.

		intimation shall be given by the company before procuring any material/equipment.
	(l)	Charges for any third party testing and Factory acceptance test as and when desired by the client shall be in the scope of contractor excluding lodging & boarding of the officers.
	(m)	As built drawings and list of inventories shall be prepared and given to us before completion of work.
	(n)	You are requested to get all the equipment's Plant/Machinery insured which are to be brought at site. Company shall not be responsible for any damage to your equipment's due to whatsoever reason including God's Act during the period these are at site.

Note : In case of discrepancy between any clause of BOQ Part I & Part II Then the order of Precedence will be 1. BOQ, 2. Part I, 3. Part II.

PART-II
General Conditions of Contract

1	Time Schedule & Progress	(a) You are required to submit the detailed CPM chart depicting the various milestone events and activities planned along with their likely time schedules etc for approval of Client. In case of changes in schedule submitted by you are required by Client, you shall be required to adhere to the same. (b) Contractor shall mobilize and employ sufficient resources for completion of all the works as indicated in the agreed BAR CHART. (c) Contractor to submit project schedule and daily progress report in prescribed format on routine basis.
2	Method Statement & Shop Drawings	You are required to submit a method statement highlighting the method of executing the hazardous operation during execution of the contract. All the approvals required for method statement, GFC drawings etc from Client shall be your responsibility.
3	RA Bill Payments	Payment shall be normally released within 15 days after submission of all necessary documents and their due verification at site.
4	Final Bill & Payment	Final bill shall be paid within 60 days after successful completion of work, submission of all necessary documents and their due verification at site.
5	Proof of Payment	(a) Proof of Payment to the worker & staff at site in the form of Muster roll / Pay slip to be attached in every RAR. (b) Original tax invoices for material used needs to be produced by the contractor if asked for by EIC for verification purposes.
6	Staff	Contractor will station minimum one qualified Engineer and technical supervisor at site to supervise and coordinate the activities as per directions of our EIC.
7	Extra Item/Additional Work	Rates shall be as decided mutually.
8	Reconciliation	Contractor is required to provide the reconciliation of all the material provided by Company free of charge (FOC) in each RA Bill and incase of wastage recovery will be done @ 1.25 times of value of material.
9	Escalation and Statutory Variation	Any escalation in the prices of materials, fuel, power, light and labour wages etc during the currency of contract and in the extended period if any shall not be considered or reimbursed. However, any change in GST shall be to the account of the Company.

10	Water & Electricity	We shall provide electricity & water at one point free of cost and further distribution/ extension shall be done by Contractor at his own cost.
11	Safety and Security Arrangements	All adequate safety including PPE and security arrangements to be done by you at your own cost as per safety requirements for execution of such work and as required by client.
12	Construction Equipments	All constructions equipments to be arranged by the Contractor. Only three phase welding rectifier or DC machine shall be allowed for welding works, required if any.
13	Labour Camp / Site office /Store / Temporary Facilities	(a) Only space shall be provided by Company for site office & store. (b) However, labour hutment may be provided by company if available. The same is to be vacated in best of shape as per directions of EIC the (c) Other facilities to be arranged by the Contractor.
14	Manufacture test certificate	Contractor shall be required to submit original manufacture test certificate for every batch of material brought at site. No payment shall be made without test certificate of the item.
15	EPF & ESI No.	Contractor is required to submit EPF & ESI No within 15 days from the date of Order. No payment shall be released without submission of EPF and ESI paid challans.
16	Workmen Compensation Policy	Workmen Compensation Policy is in your scope.
17	Third Party Risk	Third Party Risk is in your scope. Requisite insurance may be submitted to concerned EIC.
18	Liquidated Damages	0.5% of the contract amount per week subject to a maximum of 5% of value of contract amount.
19	Jurisdiction	This work Order is governed by Indian Laws in force. The court of New Delhi alone shall have jurisdiction in all matters arising out of this Work Order.
20	Termination of Contracts / Scope of Reduction	The Company or EIC reserves the right to accept, split, divide, negotiate, cancel, reject or annul the work order at any time prior to the award without incurring any liability or obligation to affected contractor, the ground of such action without any notice and Contractor shall not be entitled to any compensation on this account.
21	Arbitration	Any disputes arising out of this Contract shall be referred to the mutually agreed sole arbitrator as per Arbitration & Reconciliation Act 1996 and his award shall be final and binding on both parties.
22	Housekeeping	During the execution of the work the contractor shall keep the site reasonably free from all the obstruction and shall store or dispose of any of his equipment and surplus materials and clear away and remove from the site any wreckage, malba, rubbish/garbage etc on daily basis. All malba / garbage and waste resulting due to execution of the work will be removed immediately from the site.
23	Site Clearance	(a) The Contractor is required to clear the site of all the debris, scrap and other waste material before the submission of final bill and shall obtain a certificate from Project-in-Charge on this account. (b) Agency shall have to clear all the liabilities for the project and submit a clearance certificate to site authorities before demobilization from the work place. Company shall not be responsible for your liability on any account.



24	Client Documents	The BOQ, Technical Specifications and drawings of client has already been shared with you. In case of any discrepancy in the language / spelling in the BOQ annexed here and the language / spelling of BOQ of client, the language / spelling of BOQ of client shall take precedence.
25	Technical Specification	Already shared with you.
26	List of Approved Make	Enclosed as Annexure 'B'.
27	Indemnify	You shall keep the Company indemnified against all claims, damages or Compensation under the provision of payment Act, 1923, Industrial Disputes Act 1947 and the maternity Benefit Act 1961 as amended law up to date or any other law relating thereto and rules made their under from time to time or as a consequence of any accident or injury to any workman or any other persons in or around the works, whether in your employment or not during the currency of this work order.

You are requested to sign and return the duplicate copy of this work order as token of your acceptance.

Yours sincerely,

Parnika Commercial & Estates Pvt Ltd

STEEL ARTS



(Authorized Signatory)

(Authorized Signatory)

Enclosure:

- (a) Annexure 'A' BOQ (Containing 02 page)
- (b) Annexure 'B' List of Approved Make (Containing 03 pages)

Annexure 'A' BOQ

S.No	Description	Unit	Qty	Rate	Amount
	SH-16 : STRUCTURAL GLAZING ALUMINIUM COMPOSITE PANEL				
16.1	Providing and supplying aluminium extruded tubular and other aluminium sections as per the architectural drawings and approved shop drawings, the aluminium quality as per grade 6063 T5 or T6 as per BS 1474, including super durable powder coating of 60-80 microns conforming to AAMA 2604 of required colour and shade as approved by the Engineer-in- Charge. (The item includes cost of material such as cleats, sleeves, screws etc. necessary for fabrication of extruded aluminium frame work. Nothing extra shall be paid on this account).	kg	20795	284.00	59,05,780
16.2	Designing, fabricating, testing, protection, installing and fixing in position semi (grid) unitized system of structural glazing (with open joints) for linear as well as curvilinear portions of the building for all heights and all levels, including: (a) Structural analysis & design and preparation of				-
	shop drawings for the specified design loads conforming to IS 875 part III (the system must passed the proof test at 1.5 times design wind pressure without any failure), including functional design of the aluminum sections for fixing glazing panels of various thicknesses, aluminium cleats, sleeves and splice plates etc. gaskets, screws, toggles, nuts, bolts, clamps etc., structural and weather silicone sealants, flashings, fire stop (barrier)- cum-smoke seals, microwave cured EPDM gaskets for water tightness, pressure equalisation & drainage and protection against firehazard including: (b) Fabricating and supplying serrated M.S. hot dip galvanised / Aluminium alloy of 6005 T5 brackets of required sizes, sections and profiles etc. to accommodate 3 Dimensional movement for achieving perfect verticality and fixing structural glazing system rigidly to the RCC/ masonry/structural steel framework of building structure using stainless steel anchor fasteners/ bolts, nylon separator to prevent bimetallic contacts with nuts and washers etc. of stainless steel grade 316, of the required capacity and in required numbers. (c) Providing and filling, two part pump filled, structural silicone sealant and one part weather silicone sealant compatible with the structural silicone sealant of required bite size in a clean and controlled factory / work shop environment, including double sided spacer tape, setting blocks and backer rod, all of approved grade, brand and manufacture, as per the approved sealant design, within and all around the perimeter for holding glass.				-
	(d) Providing and fixing in position flashings of solid aluminium sheet 1 mm thick and of sizes, shapes and profiles, as required as per the site conditions, to seal the gap between the building structure and all its interfaces with curtain glazing to make it watertight. (e) Making provision for drainage of moisture/ water that enters the curtain glazing system to make it watertight, by incorporating principles of pressure equalization, providing suitable gutter profiles at bottom (if required), making necessary holes of required sizes and of required numbers etc. complete. This item includes cost of all inputs of designing, labour for fabricating and installation of aluminium grid, installation of glazed units, T&P, scaffolding and other incidental charges including wastages etc., enabling temporary structures and services, cranes or cradles etc. as described above and as specified. The item includes the cost of getting all the structural and functional design including shop drawings checked by a structural designer, dully approved by Engineer-in- charge.				-
	The item also includes the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working structural glazing as specified, cleaning and protection till the handing over of the building for occupation. In the end, the Contractor shall provide a water tight structural glazing having all the performance characteristics etc. all complete as required, as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer- in- Charge.				-
	Note:- 1. The cost of providing extruded aluminium frames, shadow boxes, extruded aluminium section capping for fixing in the grooves of the curtain glazing and vermin proof stainless steel wire mesh shall be paid for separately under relevant items under this sub- head. However, for the purpose of payment, only the actual area of structural glazing (including width of grooves) on the external face shall be measured & Est. sqm. up to two decimal places.	sqm	1530	1,804.00	27,60,120

16.3	Providing and supplying Vision Glass Panels comprising of 8 mm thick heat strengthened monolithic float glass of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade, all complete for the required performances as specified, as per the Architectural drawings, as per the approved shop drawings, as specified, and as directed by the Engineer-in-Charge."For payment, only the actual area of glass on face # 1 of the glass panels (but excluding the area of grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm. (Payment for fixing of Vision Glass Panels in the curtain glazing is included in cost of relevant Item*). (i) Coloured tinted float glass 6mm thick substrate with reflective soft coating on face # 2, having properties as visible Light transmittance (VLT) of 50 to 60 %, U value of 3.7 to 5.0 W/m ² K, SHGC value of 0.4 to 0.5 etc. The properties of performance glass shall be decided by technical sanctioning authority as per the site requirement.	sqm	531	1,985.00	10,54,035
16.5	Extra for openable side / top hung vision glass panels including providing and supplying at site all accessories and hardware for the openable panels as specified and of the approved make such as heavy duty stainless steel friction hinges, min 4 -point cremone locking sets with stainless steel plates, handles, buffers etc. including necessary stainless steel screws/ fasteners, nuts, bolts, washers etc. all complete as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge.	sqm	178	2,705.00	4,81,490
16.7	Designing, fabricating, testing, installing and fixing in position Curtain Wall, canopy etc. with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building, for all heights and all levels etc. including: (a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design. (b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc.				
	(c) The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall / canopy with aluminium composite panel cladding, cleaning and protection of the curtain wall / canopy with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium item. The Contractor shall provide curtain wall / canopy with aluminium composite panel cladding, having all the performance characteristics all complete, as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall, canopy with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places."	sqm	487	2,886.00	14,05,482
Total					1,16,06,907
GST@12%					13,92,829
Total With GST					1,29,99,736

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05/1/21

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11	HIGH PRESSURE LAMINATES	FORMICA, MERINO, GREENLAM, CENTURY
12	FRD WOODEN FRAME & SHUTTERS	SUKRI, PROMAT, KUTTY, SIGNUM
13	FRD METAL FRAME & SHUTTERS	SUKRI, SHAKTI MATE HORMAN, KUTTY,
14	FIRE RATED GLASS	PILKINGTON, SCHOTT, FERILITE
15	HARDWARE FOR FIRE RATED DOORS	DORMA, INGERSOLL RAND, MARSHALL
16	INTUMESCENT STRIPS	PROMAT, PEMKO, INTUMEX, ASTROFLAME
17	SS DOOR HARDWARE	DOOSET, PAG, GODREJ, KICH
18	MODULAR FURNITURE HARDWARE/ SS WIRE BASKETS	HETTICH/ HAFELE/ BLUM
19	PVC EDGE BANDING TAPE	REHAU/ DOLKIN
20	HOT MELT GLUE FOR EDGE BANDING TAPE	KLEIBERIT 773.3 / HENKEL
21	WOOD WORK	SAL WOOD
22	PLYWOOD	ANCHOR, ARCHID, KITPLY, GREEN PLY, CENTURY
23	BLOCK BOARD	CENTURY / GREEN PLY / ANCHOR / ARCHID
24	STAINLESS STEEL	JINDAL, SAIL, SALEM STEEL OR EQUIVALENT
25	VITRIFIED TILES/ CEREMIC TILES	KAJARIA, H & R JOHNSON, SOMANY, NITCO, ORIENT
26	POLYMER MODIFIED CEMENTITIOUS GROUT / CEMENT ADHESIVE / EPOXY GROUT	ARDEX ENDURA, LATICRETE, BAL ENDURA, FERROUSCRETE
27	POLYMER MODIFIED ADHESIVE MORTAR FOR AAC BLOCKS	WALPLAST, ULTRA TECH, SOUND BUILD CARE LTD., ECOLITE
28	P.V.C RAIN WATER PIPE	SUPREME, ASTRAL, ASHIRVAD, FINOLEX, PRINCE
29	READY MIXED CEMENT PLASTER	WALPLAST, ULTRA TECH, MADRAS CEMENT LTD, SOUND BUILD CARE LTD.
30	GYPSUM LIGHT WEIGHT PLASTER	GYPROC, ULTRTECH OR EQUIVALENT
31	PAINTS	ICI, ASIAN PAINTS, BERGER PAINTS, NEROLAC


32	WATERPROOFING CEMENT PAINT	SNOWCEM, BERGER PAINTS, NEROLAC, ASIAN PAINTS,
33	ACRYLIC TEXTURE PLASTER	ASIAN PAINTS, SPECTRUM PAINTS, HERITAGE
34	PAVER BLOCKS/ GRASS PAVERS/ KERB STONE	VYARA, BASANT BETONS, SUPER, HINDUSTAN
35	SANITARY WARES	JAQUAR, PARRYWARE, HINDWARE KOHLER
36	C. P. FITTINGS	JAQUAR, PARRYWARE, HINDWARE, KOHLER
37	S. S. SINK	NIRALI, DEEPALI, FUTURA
38	C. I. PIPES & FITTINGS	NECO, KAPILANSH, SKF, HEPSCO
39	G.I. PIPES	TATA, JINDAL, PRAKASH SURYA,
40	G. I. FITTINGS	UNIK, R-BRAND, ZOLOTO
41	NP2 CLASS, R.C.C. PIPES	JAIN SPUN PIPE, K. K. SPUN PIPE, THE INDIAN HUME PIPE CO. LTD., PATEL HUME PIPES
42	ALUMINIUM EXTRUSION SECTIONS	JINDAL, HINDALCO, NALCO, INDIAN ALUMINIUM CO.
43	FLOAT CLEAR GLASS	SAINT GOBAIN, ASAHI GLASS, EMIRATES GLASS, GUARDIAN GLASS (SUNGUARD), MODI GUARD
44	COATED GLASS	SAINT GOBAIN, ASAHI GLASS, EMIRATES GLASS, GUARDIAN, PILKINGTON
45	CALCIUM SILICATE BOARD	STARPAN, HILUX, AEROLITE, PROMAT
46	UPVC PIPES AND FITTINGS	ASTRAL, FINOLEX, SUPREME, KISAN
47	CPVC PIPES AND FITTINGS	ASTRAL, SUPREME, FINOLEX, PRINCE
48	FLOOR SPRINGS /DOOR CLOSERS/ PANIC BAR/ PATCH FITTINGS	DORMA, GEZE, HAFELE
49	S. S. GRATINGS	CHILLY, CAMRY,
50	FLOAT GLASS MIRROR	MODIGUARD, SAINT GOBAIN
51	STAINLESS STEEL ANCHOR FASTENERS	HILTI, FISCHER
52	EPDM	AMEE RUBBER INDUSTRIES PVT. LTD. , BOHRA RUBBER

53	ALL TYPES OF SILICONE	DOW CORNING, GE
54	SPACER TAPE / BACKER ROD	NORTON, BOW
55	FRICTION HINGES AND LOCKS	COTSWOLD, GIESSE, ALUALPHA
56	ALUMINIUM COMPOSITE PANEL	ALUDECOR, EUROBOND, ALSTRONG, ALUCOBOND
57	FROSTED GLASS FILM	GARWARE, LLUMAR, LG
58	VINYL FLOORING	RESPONSIVE, TARKETT, POLYFLOR, GRABO
59	CALCIUM SILICATE BOARD	STARPAN, HILUX, AEROLITE, PROMAT

B. SPECIALISED AGENCIES:

1	WATERPROOFING WORK	A. NAYAK Constructions Pvt. Ltd., LIKPROOF INDIA PVT. LTD., MODERN WATERPROOFING CO, INDIA WATERPROOFING CO., OVERSEAS WATERPROOFING CORP.
2	CURTAIN GLAZING	GLAZE TECNO INDIA, AJIT INDIA PVT. LTD., INNOVATORS FACADE SYSTEMS PVT. LTD., ALUMAYER INDIA PVT. LTD. OR ANY OTHER AGENCIES PROPOSED BY THE MAIN CONTRACTOR WHO HAS EXECUTED WORK OF SIMILAR NATURE AND QUANTUM.
3	GLASS PROCESSER	ASAHI GLASS, SEJAL, GLASSTECH, FG, GSC, IMPPECT SAFETY
4	PVDF COATING	AURA ARCHITECTURAL COATINGS, M. J. COATERS PVT. LTD., S P ARCHITECTURAL COATINGS PVT LTD., AMECO, RADIANT ANODISERS PVT. LTD.

Handwritten signature



NCC/TMCH-TINSUKIA/2235/21-22
14.02.2022

PR: 61/62/63, dt. 09.03.2020

M/s STEEL ARTS
Tinsukia, Assa,
GST:

Attn: Mr. Pavan Chauhan-9999424252

Dear Sirs,

Sub: **ORDER** for carrying-out Aluminium Doors, windows, ventilators & Structural Glazing works at our TMCH Project, Tinsukia-reg.

Ref: Your Offer dt.21.01.22 & subsequent discussions had with you on 08.02.2022

With reference to the above we are pleased to confirm our order for carrying-out subject works at our TMCH Project, Tinsukia, Assam as per the specifications, terms and conditions.

01.SCOPE OF WORK: Supply and fixing of Aluminium Doors, Windows, Ventilators & Structural glazing works at our TMCH Project, Tinsukia as per the detailed specifications, quantities and unit rates Entire scope of works shall be completed strictly as per the approved drawings and instructions of our clients / consultants / site officials.

02. Quantities mentioned in the Annexure are only approximate and payments shall be made as per actual quantities executed and measured at site .

03.BASIC VALUE OF THE ORDER is Rs.11,73,01,345/- (Rs. Eleven Crore Seventy Three Lakh One Thousand Three Hundred Forty Five only)

04. TAXES: We agree to pay GST @12% OR as applicable EXTRA on above prices.

You have to submit the GST invoice along with your consignment. You shall upload the GST invoice as per GST Norms for availing input tax credit by us. In case any credit refund or any other benefit is delayed or denied to NCCL due to non compliance by you, then you should reimburse the loss to NCCL along with Tax Loss, its interest and Penalty. In case non submission of return /documents related to GST for the previous month ,the same will be withheld from the existing month invoice and it will be released after submission of relevant documents as per GST rules. Under any circumstances reimbursement will not be made for the previous period when such amounts are suffered GST under RCM by NCC . GST will be reimbursed on submission of tax invoice as per GST law .

HSN code /SAC code should be mentioned in the tax invoice as per order without any deviations. The difference in tax amount due to wrong codification in invoices shall be recovered from your bills or from your outstanding amounts.

05. PRICE BASIS: F.O.R.SITE BASIS.

06. VALIDITY: Above rates shall be valid till virtual completion of entire scope of this order and no price escalation is allowed under any circumstances.

07. DESIGNS & SHOP DRAWINGS: You shall submit relevant designs and shop drawings within 15 DAYS for approval of our clients / consultants.

You shall submit Bill of Material for all items mentioned in the Annexure within Ten Days from the date of approval of shop drawings.

08. We shall have the right to reject the improper work done if any or to accept the same at a reduced cost proportionately.

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NCC Limited

(Formerly Nagarjuna Construction Company Limited)

CIN: L72200TG1990PLC011146

NCC House, Madhapur, Hyderabad 500 081 T +91 40 2326 8888 F +91 40 2312 5555 ncclimited.com

09. SAMPLE: You should submit one set of samples of all the materials and components being used for this work for approval at site. You shall commence the work – only on receipt of necessary approval from our client / consultants. **Necessary mock-up shall be done by you for approval of client / consultants.**

10. INSPECTION: All the items should be as per the approved list of makes only and you should furnish the requisite Test Certificates & Unpriced manufacturer invoice for the materials. **You shall use Approved makes of Jindal / Hindalco Aluminium Profiles only.**

Relevant tests to be carried-out as mentioned in the BOQ for Item No.198- if required by client and the charges for the same shall be paid EXTRA as mutually agreed.

11. Entire system shall be cleaned by you before handing over to our client/consultant.

12. DEDUCTIONS: TDS shall be deducted from your bills as applicable and necessary TDS Certificate will be issued at the end of financial year.

13. WORK COMPLETION & LIQUIDATED DAMAGES: Entire scope of work shall be completed strictly as per the schedule of our site officials, In case you are not able to execute the ORDER within the above time limit, we will have the right to either cancel the ORDER without prejudice to any other rights or make alternate arrangements for completion of the job. The expenses incurred by us will be to your account only. In case of delay a penalty @1% per week of delay will be imposed, subject to a maximum of 5% of the value of such delay.

14. GUARANTEE: Entire scope of work shall be guaranteed for a minimum period of 24 months from the date of handing-over against all defects. In case of any defects found during the Guarantee period and the same shall be rectified / replaced immediately to the satisfaction of our clients at no extra cost.

15. STATUTORY REQUIREMENTS: You will be governed by all the statutory requirements as per central & local Authorities. **All your crew shall strictly adhere to the Covid norms at our site office without any deviation.** You shall **be responsible for ESI, EPF contribution for your workers and necessary proof of records shall be submitted to our site officials.** No labourers below the age of 18 years will be allowed at the work premises. You are responsible to follow all the safety regulations of the site. You shall cover the people working on your behalf at our site with ESI/Workmen Compensation and Insurance at your cost and **necessary records shall be submitted to our site office. You shall inform us your PF Registration Number immediately.**

16. FACILITIES AT SITE: We agree to provide you with requisite storage place. However you shall be responsible for security of your materials. We will provide you required accommodation for your labour forceon – subject to availability at site at free of cost. Power and water will be provided at free of cost at one point only. Further distribution shall be done by you. **We agree to provide you required scaffolding material including erection, staging & dismantling.**

17. QUALITY: You shall carry-out the work as per the approved drawings, technical specifications and latest applicable I.S. Codes of practice to the satisfaction of our site officials. If the quality and progress is not as per our requirement, the same will be carried-out by us and the rectification charges will be debited to you.

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18.SUPERVISION: You will have to deploy the necessary workforce including the qualified and technically suitable Supervisors, as required by us to execute work.

19. You shall ensure in usage of safe and reliable equipment at site. You are also responsible for the safe custody and storage of all equipment, materials, construction tools, tackles and machinery at the site which are covered by this work ORDER. You shall take necessary action to protect all finished or partially finished construction and protect adjacent or adjoining property, which might be damaged by the process of construction or erection. All expenses incurred for the above shall be to your account only. You should always keep the stores and other areas of usage clean. All the scrap / unused / off cuts and Garbage should be disposed at a location specified by the client / our site incharge.

20. MEASUREMENTS: The measurement shall be done on as per the respective A/U in BOQ against the executed and finished work (in all respects). Length and breadth of the superficial area of the finished work shall be measured centre to centre of the grooves on the external surface viewed externally correct to a centimeter under the respective items. **The payments would be made on BOQ Item rate basis and as approved by clients and site officials.**

21. TERMS OF PAYMENT:

5% value would be released as mobilization advance against submission of Bank Guarantee for equivalent amount after approval of shop drawings and the same would be recovered from your bills proportionately. The same shall be recovered @ 15% of bill value or Rs. 2.0 Lakhs, whichever is more, from each RA Bill.

- A. Material Advance –80% of Invoice value will be released upon supply/delivery of material at site and submission of procurement Invoice/Challan for the material.
- B. Measurement –Monthly RA Bill shall be prepared as per the work executed/completed at site with 100% rate duly deducting the Mobilization Advance (as per above) and Material Advance (including wastage) on prorate basis.

(OR)

- A. Material Advance –85% of Invoice value will be released upon supply/delivery of material at site and submission of procurement Invoice/Challan for the material.
- B. Measurement – Monthly RA Bill shall be prepared as per the work executed/completed at site with 100% rate duly deducting the Mobilization Advance (as per above) and Material Advance (including wastage) on prorate basis.

RETENTION MONEY: 5%value shall be retained by us as Retention Money and the same will be released after 24 months from the date of handing-over of the project OR against submission of Performance Bank Guarantee for equivalent amount from any Nationalised Bank valid for 24 months from the date of completion & handing-over to clients.

ALL PAYMENTS WOULD BE RELEASED FROM OUR SITE OFFICE ONLY.

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22. BILLING SHALL BE DONE ON OUR FOLLOWING SITE OFFICE ADDRESS:-

NCC Limited, Project: TinsukiaMecalCollege,Makum, Hebada PO,
TinsukiaDist, Assam – 786170,Contact: Mr. Ratnam Raju, Cell: 7908250886

NOTE: You shall obtain necessary GST Registration in the State of Assam and submit copy of such GST Registration Certificate for our records.

Our GST Number valid in Assam: 18AAACN7335C2ZN

Our Corporate Identity (CIN) No. : L72200AP1990PLC011146., Our PAN No.AAACN7335C

You shall indicate our GST & CIN No. in all your invoices / DC etc., without fail.

23. ARBITRATION: Any difference or dispute arising during/after the execution of the work awarded to the Sub-Order or under this Purchase Order or any matter arising out of / relating thereto shall be mutually and amicably resolved at the first instance by the Executives nominated by the respective parties. If the difference or dispute is not resolved; either of the parties shall convey their intention to refer the disputes, within 15 days from the date of failure to resolve the same, to a Sole-Arbitrator nominated by both the parties mutually (to bench of three arbitrators, one appointed by each party and third appointed by the two arbitrators so appointed).

The Arbitration proceedings will be conducted in accordance with the provisions of the Arbitration & Conciliation Act 1996 and any amendments thereto / or re-enactment thereof. The venue of the arbitration shall be at Hyderabad. The language of Arbitration will be English. The expenses for Arbitration including the Fee payable to the bench of three Arbitrators will be equally shared by the parties. The Award delivered by the bench of three arbitrators shall be binding, conclusive and final between the parties. This Work Order shall be governed and construed in all respects in accordance with the laws of India and will be subject to the Jurisdiction of Hyderabad.

24.Settlement of Disputes:Notwithstanding anything contained in any other Agreement, Contract or other document entered into or executed whether prior to or subsequent to this ORDER, all disputes arising out of or relating to this ORDER, shall be settled by a Sole Arbitrator, to be appointed by the Managing Director of NCC, in accordance with the Arbitration & Conciliation Act, 1996 or any amendments thereto or re-enactments thereof. The Courts in the City of Hyderabad shall alone have jurisdiction to try any dispute or difference with regard to the interpretation of the terms of ORDER or any other matter relating to or arising out of this ORDER.

Please send us your acceptance within Five Days on receipt of this Work Order duly signed and stamped. In case we do not receive any confirmation within Five Days, we presume that you have accepted to all the terms and conditions indicated in the Work Order.

for NCC Limited



(N B Raju)
Executive Vice President (Materials)

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ANNEXURE TO PO NONCC/TMCH-TINSUKIA/ 2235/21-22, DT. 14.02.2022

BOQ Item No	DESCRIPTION	UNIT	QUANTITY	RATE UNIT	AMOUNT
140	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing and paneling to be paid for separately) : For fixed portion Powder coated aluminium (minimum thickness of powder coating 50 micron)	Kg	71897.00	385.00	27680345.00
141	Providing, fitting and fixing coloured anodised aluminium windows and ventilators of standard sections of approved brand without horizontal glazing bars joints mitred and welded (manufactured to relevant IS specifications) fitted with 6mm x 3.15mm lugs 100mm long embedded in CC blocks 150mm x 100mm x 100mm in 1:3:6 mix including providing and fixing handles, frictions stays, joining cleat, bolting device, locking arrangement, spring catch as required complete as specified and directed for all levels.(Cement concrete to be measured and paid separately). Side hung and Top hung windows and ventilators 6mm clear glass	Sqm	60.00	4000.00	240000.00
142	Providing, fitting and fixing coloured anodised aluminium windows and ventilators of standard sections of approved brand without horizontal glazing bars joints mitred and welded (manufactured to relevant IS specifications) fitted with 6mm x 3.15mm lugs 100mm long embedded in CC blocks 150mm x 100mm x 100mm in 1:3:6 mix including providing and fixing handles, frictions stays, joining cleat, bolting device, locking arrangement, spring catch as required complete as specified and directed for all levels.(Cement concrete to be measured and paid separately). Side hung and Top hung windows and ventilators 5mm frosted glass	Sqm	25.00	4000.00	100000.00

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143	Providing, fitting and fixing coloured anodised aluminium sliding windows and ventilators of standard sections of approved brand without horizontal glazing bars, joints mitred and welded (manufactured to relevant IS specifications) and providing and fixing handles, angle cleat, rubber gasket, roller, bolting device, locking arrangements, screws etc as required complete as specified and directed for all levels. 3 Track sliding window 02 Shutters with 6mm clear glass 01 Shutter with fly proof stainless steel grade 304 wire gauge (to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.50 mm)	Sqm	7214.00	4600.00	33184400.00
144	Providing, fitting and fixing coloured anodised aluminium sliding windows and ventilators of standard sections of approved brand without horizontal glazing bars, joints mitred and welded (manufactured to relevant IS specifications) and providing and fixing handles, angle cleat, rubber gasket, roller, bolting device, locking arrangements, screws etc as required complete as specified and directed for all levels. 3 Track sliding window 02 Shutter with 5mm frosted glass 01 Shutter with fly proof stainless steel grade 304 wire gauge (to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.50 mm)	Sqm	30.00	4600.00	138000.00
145	Providing, fitting and fixing coloured anodised aluminium framed double leaf glazed doors with anodised aluminium frame made of 100mm x 45mm x 2mm sections of approved brand with door styles of size 81mm x 45mm x 2mm, top rails 50mm x 45mm x 2mm, lock rails 81 mm x 45mm x 2mm, bottom rails 100mm x 45mm x 2mm fitted with glazing clip, special type rubber gasket complete including hydraulic floor spring, pivot, tower bolt in each leaf, aluminium door handle, lock, angles, cleat etc complete as specified and directed by the Department at all levels. 6mm clear glass	Sqm	2534.00	5500.00	13937000.00
146	Providing, fitting and fixing coloured anodised aluminium partition walls of standard sections of approved brand, joints mitred and welded (manufactured to relevant I.S. specification) and providing and fitting angle cleat, rubber gasket, bolting device screws etc. at all levels. 6mm clear glass	Sqm	2147.00	2350.00	5045450.00
147	Providing, fitting and fixing coloured anodised aluminium partition walls of standard sections of approved brand, joints mitred and welded (manufactured to relevant I.S. specification) and providing and fitting angle cleat, rubber gasket, bolting device screws etc. at all levels. Prelaminated Board	Sqm	1116.00	2100.00	2343600.00

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148	Providing, fitting and fixing anodised aluminium framed glazed doors with anodised aluminium frame made of 100mm x 45mm x 2.5mm section with door style of size 88mm x 45mm x 2.5mm, top rails 50mm x 45mm x 2mm and bottom rails 100mm x 45mm x 2.5mm fitted with glazing clip, special type rubber gasket complete etc complete as specified and directed by the department at all levels. with 8 mm thick toughened glass	Sqm	100.00	6500.00	650000.00
197	Providing and supplying aluminium extruded tubular and other aluminium sections as per the architectural drawings and approved shop drawings, the aluminium quality as per grade 6063 T5 or T6 as per BS 1474, including super durable powder coating of 60-80 microns conforming to AAMA 2604 of required colour and shade as approved by the Engineer-in-Charge. (The item includes cost of material such as cleats, sleeves, screws etc. necessary for fabrication of extruded aluminium frame work. Nothing extra shall be paid on this account). (The item includes cost of material such as cleats, sleeves, screws etc. necessary for fabrication of extruded aluminium frame work. Nothing extra shall be paid on this account	Kg	37370.00	385.00	14387450.00
198	Designing, fabricating, testing, protection, installing and fixing in position semi (grid) unitized system of structural glazing (with open joints) for linear as well as curvilinear portions of the building for all heights and all levels, including: a) Structural analysis & design and preparation of shop drawings for the specified design loads conforming to IS 875 part III (the system must passed the proof test at 1.5 times design wind pressure without any failure), including functional design of the aluminum sections for fixing glazing panels of various thicknesses, aluminium cleats, sleeves and splice plates etc. gaskets, screws, toggles, nuts, bolts, clamps etc., structural and weather silicone sealants, flashings, fire stop (barrier)- cum-smoke seals, microwave cured EPDM gaskets for water tightness, pressure equalisation & drainage and protection against fire hazard including: b) Fabricating and supplying serrated M.S. hot dip galvanised / Aluminium alloy of 6005 T5 brackets of required sizes, sections and profiles etc. to accommodate 3 Dimentional movement for achieving perfect verticality and fixing structural glazing system rigidly to the RCC/ masonry/structural steel framework of building structure using stainless steel anchor fasteners/ bolts, nylon seperator to prevent bimetallic contacts with nuts and washers etc. of stainless steel grade 316, of the required capacity and in required numbers. c) Providing and filling, two part pump filled, structural silicone sealant and one part weather silicone sealant compatible with the structural silicone sealant of required bite size in a clean and controlled factory / work shop environment, including double sided spacer tape, setting blocks and backer rod, all of approved grade, brand and manufacture, as per the approved sealant design, within and all around the perimeter for holding glass. d) Providing and fixing in position flashings of solid aluminium sheet 1 mm thick and of sizes, shapes and profiles, as required as per the site conditions, to seal the gap between the building structure and all its interfaces with curtain glazing to make it watertight. e) Making provision for drainage of moisture/ water that enters the curtain glazing system to make it watertight, by incorporating principles of pressure equalization, roviding	Sqm	3593.00	2400.00	8623200.00



IN NATION BUILDING



<p>suitable gutter profiles at bottom (if required), making necessary holes of required sizes and of required numbers etc. complete. This item includes cost of all inputs of designing, labour for fabricating and installation of aluminium grid, installation of glazed units, T&P, scaffolding and other incidental charges including wastages etc., enabling temporary structures and services, cranes or cradles etc. as described above and as specified. The item includes the cost of getting all the structural and functional design including shop drawings checked by a structural designer, duly approved by Engineer-in-charge. The item also includes the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working structural glazing as specified, cleaning and protection till the handing over of the building for occupation. In the end, the Contractor shall provide a water tight structural glazing having all the performance characteristics etc. all complete as required, as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge.</p> <p>Note:- 1. The cost of providing extruded aluminium frames, shadow boxes, extruded aluminium section capping for fixing in the grooves of the curtain glazing and vermin proof stainless steel wire mesh shall be paid for separately under relevant items under this subhead. However, for the purpose of payment, only the actual area of structural glazing (including width of grooves) on the external face shall be measured in sqm. up to two decimal places.</p> <p>Note:-2. The following performance test are to be conducted on structural glazing system if area of structural glazing exceeds 2500 Sqm from the certified laboratories accredited by NABL(National Accreditation Board for Testing and Calibration Laboratories), Department of Science & Technologies, India. Cost of testing is payable separately. The NIT approving authority will decide the necessity of testing on the basis of cost of the work, cost of the test and importance of the work. Performance Testing of Structural glazing system Tests to be conducted in the NBL Certified laboratories. Performance Laboratory Test for Air Leakage Test (-50pa to -300pa) & (+50pa to +300pa) as per ASTM E-2 83-04 testing method for a range of testing limit 1 to 200 mVhr" Static Water Penetration Test. (50pa to 1500pa) as per ASTM E-331- 09 testing method for a range up to 2000 ml." Dynamic Water Penetration (50pa to 1500pa) as per AAMA 501.01- 05 testing method for a range upto 2000 ml" Structural Performance Deflection and deformation by static air pressure test (1.5 times design wind pressure without any failure) as per ASTM E- 330-10 testing method for a range upto 50 mm" Seismic Movement Test (upto 30 mm) as per AAMA 501.4-09 testing method for Qualitative test" Tests to be conducted on site 6. Onsite Test for Water Leakage for a pressure range 50 kpa to 240 kpa (35psi) upto 2000ml" Onsite Test for Water Leakage for a pressure range 50 kpa to 240 kpa (35psi) upto 2000 ml.</p>				
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199	Providing, assembling and supplying vision glass panels (IGUs) comprising of hermetically-sealed 6-12- 6 mm insulated glass (double glazed) vision panel units of size and shape as required and specified, comprising of an outer heat strengthened float glass 6mm thick, of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade, an inner Heat strengthened clear float glass 6mm thick, spacer tube 12mm wide, dessicants, including primary seal and secondary seal (structural silicone sealant) etc. all complete for the required performances, as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge. The IGUs shall be assembled in the factory/ workshop of the glass processor."(Payment for fixing of IGU Panels in the curtain glazing is included in cost of item No.26.2)"For payment, only the actual area of glass on face # 1 of the glass panels (excluding the areas of the grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm." Coloured tinted float glass 6mm thick substrate with reflective soft coating on face # 2, + 12mm Airgap + 6mm Heat Strengthened clear Glass of approved make having properties as visible Light transmittance (VLT) of 25 to 35 %, Light reflection internal 10 to 15%, light reflection external 10 to 20 %, shading coefficient (0.25- 0.28) and U value of 3.0 to 3.3 W/m2 degree K etc. The properties of performance glass shall be decided by technical sanctioning authority as per the site requirement.	Sqm	3593.00	2700.00	9701100.00
200	Extra for openable side / top hung vision glass panels (IGUs) including providing and supplying at site all accessories and hardwares for the openable panels as specified and of the approved make such as heavy duty stainless steel friction hinges, min 4 -point cremone locking sets with stainless steel plates, handles, buffers etc. including necessary stainless steel screws/ fasteners, nuts, bolts, washers etc. all complete as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer- in-Charge.	Sqm	214.00	2700.00	577800.00
201	Providing, fabricating and supplying shadow box of required size and shape, for fixing in the spandrel portion of the structural glazing, in linear as well as curvilinear portions of the building by providing semi -rigid, inorganic, non-combustible fibre glass wool insulation 50 mm thick, conforming to IS: 8183 and BS: 3958 Part 5. The insulation layer shall have facing (factory bonded on surface # 10f the fibre glass insulation layer), of black non-woven fibre glass tissue of nominal thickness 0.5 mm and nominal mass not less than 60 gm / sqm, made of randomly oriented glass fibres distributed in a binder by a wet-lay process including fixing 1.5 mm thick solid aluminum sheet backing using, 6 mm thick cement board including SS rivets, nuts, bolts, washers etc complete.	Sqm	280.00	2300.00	644000.00

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202	<p>Providing and supplying Spandrel Glass Panels comprising of 6 mm thick heat strengthened monolithic float glass of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade so as to match the colour and shade of the IGUs in the vision panels etc. ,all complete for the required performances as specified, as per the Architectural drawings, as per the approved shop drawings, as specified, and as directed by the Engineer- in-Charge."For payment, only the actual area of glass on face # 1 of the glass panels (but excluding the area of grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm. (Payment for fixing of Spandrel Glass Panels in the curtain glazing is included in cost of relevant Item*).</p> <p>(i) Coloured tinted float glass 6mm thick substrate with reflective soft coating on face # 2, having properties as visible Light transmittance (VLT) of 25 to 35 %,Light reflection internal 10 to 15%, light reflection external 10 to 20 %, shading coefficient (0.25- 0.28) and U value of 3.0 to 3.3 W/m2 K etc. The properties of performance glass shall be decided by technical sanctioning authority as per the site requirement.</p>	Sqm	35.00	1400.00	49000.00
					117301345.00

(Rs. Eleven Crore Seventy Three Lakh One Thousand Three Hundred Forty Five only)

NOTE:

Silicon filling for the Doors, Windows , ventilators and partitions are included in above rates wherever required.



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