दूरभाष :
TELEPHONE :
तार : बार्क-मुंबई, चेम्बूर.
TELEGRAMS : BARC-MUMBAI, CHEMBUR.
फेक्स संख्या : ९१-२२-२५५० ५१५१
FAX NUMBER : 91-22-2550 5151

सत्यमेव जयते

ट्रॉम्बे,
मुंबई-४०० ०८५.
TROMBAY,
MUMBAI-400 085

भारत सरकार
GOVERNMENT OF INDIA

भाभा परमाणु अनुसंधान केन्द्र
BHABHA ATOMIC RESEARCH CENTRE

URANIUM EXTRACTION DIVISION
PROJECT PLANNING AND ENGINEERING SECTION

Ref: - UED/Pl.-13/22/ 38374 April 05, 2022

Tender Enquiry

Tender No.: BARC/UED/APG/22002
Due date: 25/04/2022

Sub : Supply; Fabrication and Erection, of materials protection enclosure as per tentative drawing and site requirement at UED.

Dear Sir/Madam,

Quotations are invited in two parts **(Part A: Technical Bid and Part B: Price Bid)** on behalf of President of India in sealed envelope for supply, Fabrication, and Erection, of materials protection enclosure as per tentative drawing and site requirement at UED as per following specific terms and conditions.

Quotations are invited for & on behalf of The President of India by Head, UED in a sealed envelope forSupply, Fabrication and erection of materials protection enclosure as per tentative drawing and site requirement at UEDas per following details.

1. Scope of work:

Removal of existing shed: This job includes

a) dismantling of existing shed.

b) Scrap material to be cut in proper size for drum packing and sealing.

c) Sealed drums to be shifted and stored in storage area.

d) Empty drums with lid, circlips and nut-bolts will be provided by BARC

e) Forklift service will be provided by BARC.

Fabrication and installation of new material protection enclose: This job includes:

a) Preparation of RCC foundation for these enclosures.

b) Installation/erecting of the materials protection enclosure as per drawing and site requirement.

Work details:

Sr. No.	Work description	Quantity (Approx)
	Fabrication, erection, supply, and guarantee of shed as per tentative drawing and site requirement at UMP, UED.	
1.	Dismantling, cutting, drum filling, shifting and storage of drums	
2.	Supply of powder coated mild steel corrugated sheet.	~ 450 M^2
3.	powder coated mild steel corrugated sheet fitting	~ 450 M^2
4.	Supply of MS structural material, plates and foundation bolts	~ 8000 Kg
5.	Fabrication of MS structural materials & painting.	~ 8000 Kg
6.	Column foundation of RCC size: 300x300x600 depth	~ 30 Nos.

Supply material details:

Sr. No.	Items Description	IS Code	Quantity
1.	Powder coated mild steel corrugated sheets Size – 0.8 mm thick	IS 277 (2003)	~ 450 M^2.
2.	MS Square hollow section Size – 150 mm X 150 mm X 6.3 mm Size – 100 mm X 100 mm X 6.3 mm Size – 50 mm X 50 mm X 2 mm Size – 40 mm X 25 mm X 2 mm Size – 25 mm X 25 mm X 2 mm ISMC 100 MS Plates for foundation plates Foundation bolts M-20 x 500 mm	IS – 808 and 2062	~ 8000 Kg
3.	Heavy duty shield anchor 3 Piece anchors/Rawl bolt	M 16 X 120	104 Nos.

Important points:

- All the materials required for this work will be in vendor's scope.

- Contractor has to arrange for all the safety equipment, apparatus, different types of hand gloves, welding glasses/glasses and other safety gears/items required for above work.
- The Vendor/ Contractor shall follow the Industrial Safety Regulations strictly during the job. All tools & tackles and Personal Protective Equipment (PPE) required for the job shall be arranged by the vendor.
- Any injury/damage caused to the Vendor's/Contractor's work force during execution for the job for any reasons whatsoever shall be the liability of the Vendor/Contractor only. The Vendor/Contractor will be only responsible for any labour related dispute.
- Man power to be deployed for this work should have valid medical insurance during the entire work completion period.
- The vendor must be well experienced and have a previous experience of similar jobs. The vendor should be able to present evidence of their work if the department requires them to do so for technical assessment.
- Vendor/Contractor and his work force should have experience of working in BARC premises related to above mentioned jobs.
- Party should have security wetting from BARC. All the parsons to be deployed for this job should have valid PVC.The Vendor/Contractor should arrange manpower with adequate experience for the job.

Tendering Procedure

Two Part Tender:

The tender will be opened in two parts

1) Part A – Technical bid (should not include the quoted price),

2) Part B – Price bid.

Hence, the vendor has to submit the quotations against this tender in two separate sealed envelopes clearly mentioning Tender No, Part A and Part B on the envelope. Both the envelopes should be posted in single bigger envelope and Tender No., and due date should be written on top of the main envelope.

Part A will be opened as per due date, Part B will be opened only after scrutinizing the technical part by the appropriate committee or authority. Only the Part B of technically suitable offer will be opened for further processing.

- Purchasing of new materials required as per given standard, drawing and site conditions.
- Red oxide paint and epoxy paint is in vendor'sscope.
- One coat of red oxide and two coat of epoxy coating paint to be applied on fabricated structure.

2. TOOLS AND TACKLES:

Party should bring all the necessary tools tackles, PPE, Safety equipment items and machine like drilling, grinder, welding machine, consumable like (grinding wheel, cutting wheel, welding electrode Adore make only) etc. for erection and fixing. BARC will not provide any tools and tackles for the same.

3. INSPECTION AND TESTING:

After completion, work shall be tested by UED/BARC at UED site as per following points.

- All work shall be inspected by departmental representative before finalization.
- MS structural fabrication welding joint shall be tested by D.P test before finalization.

4. General terms & conditions: -

- No advance /part payment will be made.
- **Payment shall be made for the actual quantity of items fabricated and supplied.**
- To have better understanding of this job, party may visit the site before quoting tender by taking prior permission from Shri A. P. Gajbhiye (25596519). No separate entry permit will be made for this visit.
- All the fabrication materials like powder coated mild steel corrugated sheets, MS structural material, welding filler wire/electrodes; anchor fastener and screw are in vendor's scope.
- Compressed gas, Electricity and water will be provided by UED, BARC.
- During the execution of the job at site. The party shall be prepared for up to ±10% variation in quantity of the job (in terms of overall price). Any variation of the quantity of the job shall be measured, documented & paid on pro-rate basis.
- This job may require working at higher elevation of 10 meter and inside Chemical-Radiological plant area. Arranging all necessary PPE and safety of the workers during this job is sole responsibility of the vendor.
- Persons to be deployed for this job should be well trained in these types of jobs.
- All manpower, machinery, tools & tackles to be arranged by the contractor for the execution of works.

Note: The offer with the single bid (either Part A or Part B) will be considered as invalid offer.

5. Confidentiality clause: -

Confidentiality: - No party shall disclose any information to any third part concerning the matters under this contract generally. In particular, any information identified as "Proprietary" in nature by the disclosing party shall be kept strictly confidential by the receiving party and shall not be disclosed to any third party without be prior written consent of the original disclosing party. This clause shall apply to the sub-contractors, consultants, advisers or the employees engaged by a party with equal force.

"Restricted information" categories under section 18 of the Atomic Energy Act, 1962 and "Official Secrets" under section 5 of the Official Secrets Act, 1923: -

Any contravention of the above-mentioned provisions by any contractor, subcontractor, consultant, adviser or the employees of a contractor will invite penal consequences under the aforesaid legislation.

Prohibition against use of BARC name without permission for publicity purposes: -

The contractor or sub-contractor, consultant, adviser or the employees engaged by the contractor shall not use BARC'S name for any publicity purpose through any public media like Press, Radio, and TV. or Internet without the prior written approval of BARC.

Price	:	Party should quote the price as per attached annexure in table format. Inclusive of all taxes and will remain firm throughout the contract. Party should quote the basic cost + applicable taxes shall be quoted separately.
Guarantee	:	The supplier shall guarantee against anyworkmanship defect and trouble free performance for a period of one year from the date of work completion.
Delivery	:	Within 03 months from the date of receipt of the order.
INCOME TAX	:	Income tax @ 2% and GST TDS @ 2% will be deducted from bill.
GST	:	GST will be considered @ 18.0%.
Payment	:	100% after satisfactory completion of work and submission of the following documents. (a) Challan and Original bill each in triplicate (b) Advance stamped receipt, copy of cancelled cheque, ECS mandate form (c) Guarantee/warrantee certificate (d) Undertaking that GST has been promptly deposited with authorities

(e) Declaration confirming filing of I. T. return from immediate two preceding years

Quotations should reach by speed post/registered post only on or before the stipulated date to The Head, UED, BARC, Trombay, Mumbai – 400085in sealed envelopeclearly mentioning the tender number and due date.

Note: After issue of work order, any delay, which is attributable to the contractor, is liable for penalty @ 0.5% per week (max. 10%) and shall be imposed on contractor.

Thanking you

A. P. Gajbhiye (SA/E)

Head, UED.

श्री एम. एल.साहू / Shri M.L. Sahu
अध्यक्ष, यु.नि.प्र./Head, UED

ANNEXTURE – A

Tender No. - BARC/UED/APG/22002

Sub: Supply, Fabrication and Erection, of materials protection enclosure as per tentative drawing and site requirement at UED.

Price:

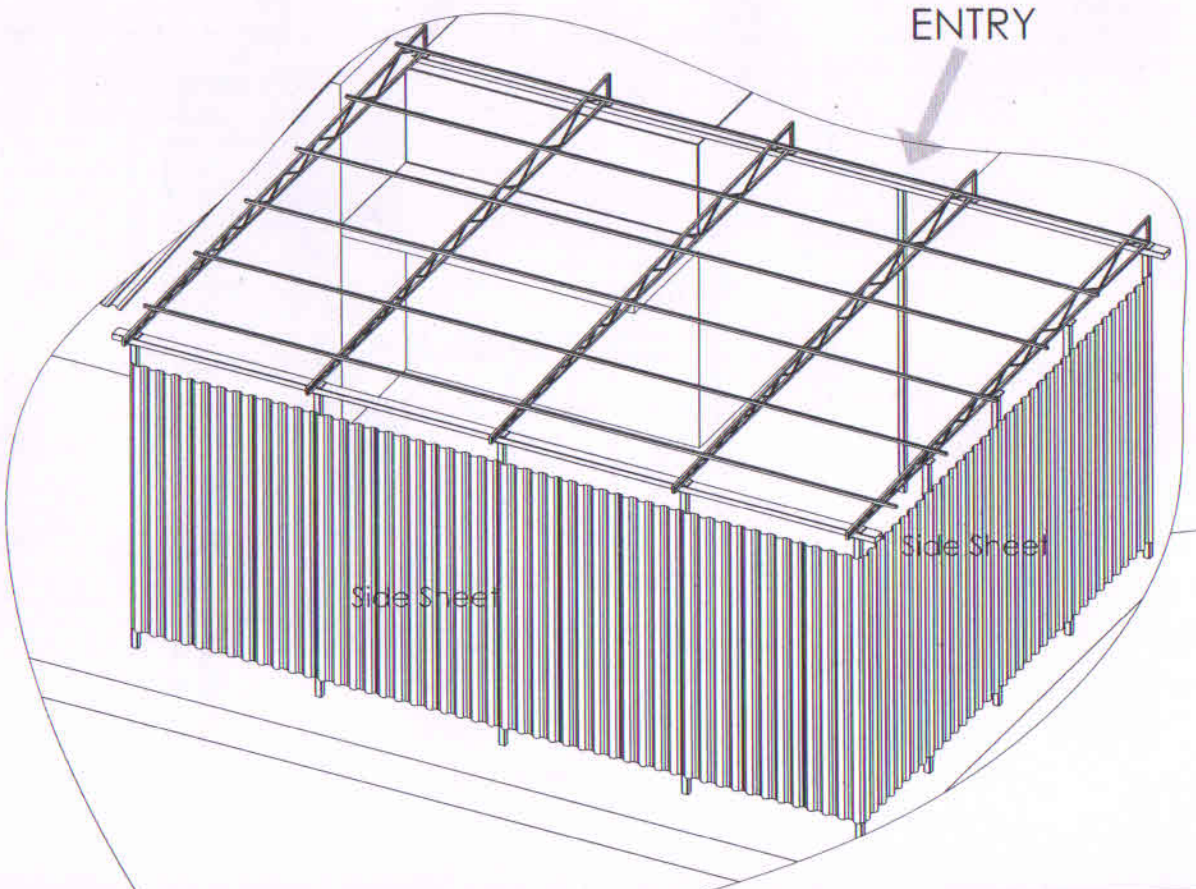
Party should quote the price as per following table format
Party should quote the basic cost + Applicable taxes shall be quoted separately.

Sr. No.	Work Description	Quantity (Approximate)	Rate (In Rs.)	Total Amount (In Rs.)
	Fabrication, erection, supply and guarantee of shed as per tentative drawing and site requirement at UED.			
1.	Supply of powder coated mild steel corrugated sheet of 0.8 mm thick.	~ 450 M^2	Rs. Per Sq. Meter	Rs.
2.	Fitting of powder coated mild steel corrugated sheet of 0.8 mm thick.	~ 450 M^2	Rs. Per Sq. Meter	Rs.
3.	Fabrication of MS structural materials with supply.	~ 8000 Kg	Rs. Per kg.	Rs.
4.	Column foundation of RCC size- 300 X 300 X 600 mm	~ 30 Nos.	Rs. Per column	Rs.
			Total	Rs.
			GST @	Rs.
			Net Amount	Rs.

A. P. Gajbhiye, SA/E, UED.

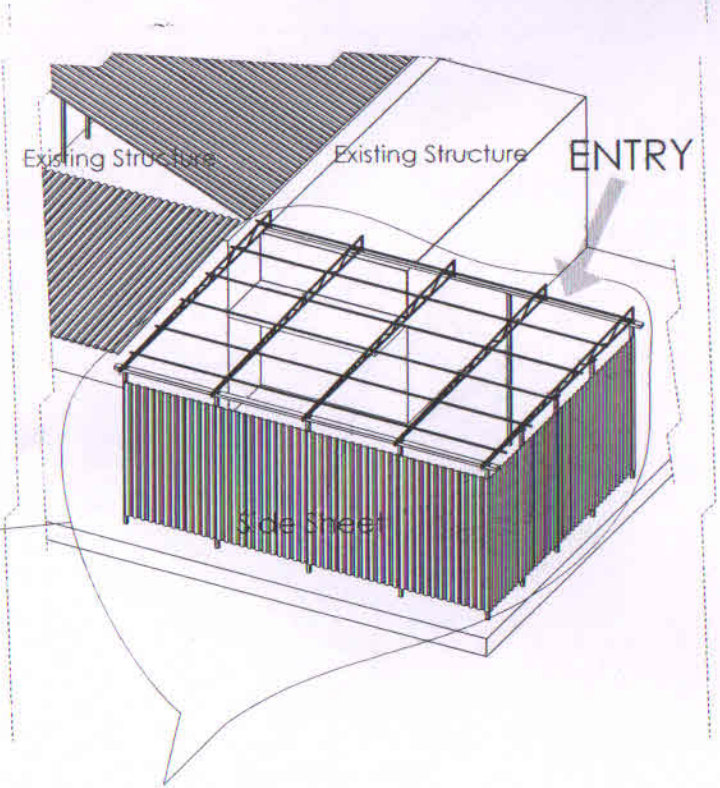
Head, UED.

श्री एम. एल.साहू / Shri M.L. Sahu
अध्यक्ष, यु.नि.प्र./ Head, UED



DETAIL A :
Proposed Structure

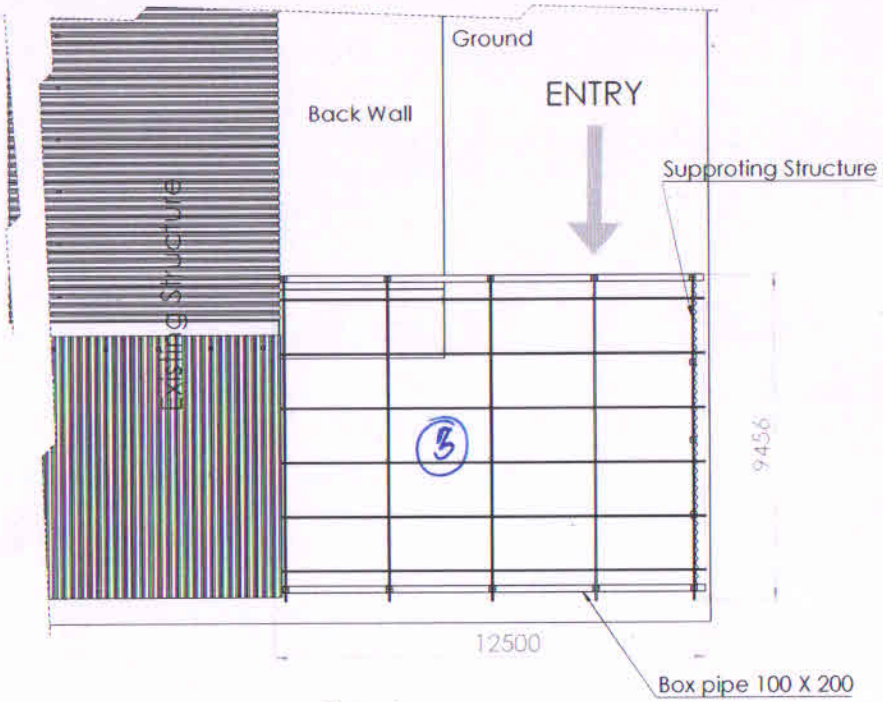
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Front Side Shed	Ground, Back and Side Wall, Poles	1
2	Supporting Str. Front Side Shed	50 X 50 pipe / 25 X 25 Pipe	5
3	Structure Support pipe Fr.	50 X 50 Pipe 12330mm long	6
4	Corrogated Sheet	10000 X 1020 sheet/0.8mm Thick	12
5	Corrogated Sheet for side	4490 X 1020 sheet/0.8mm Thick	21
6	Attachment plate	180 X 180Sq. plate 16mm thickness/ Below Supporting Str.	20
7	Box pipe 100 X 200	Pipe of 100 X 200/ 6.3mm Thk	2



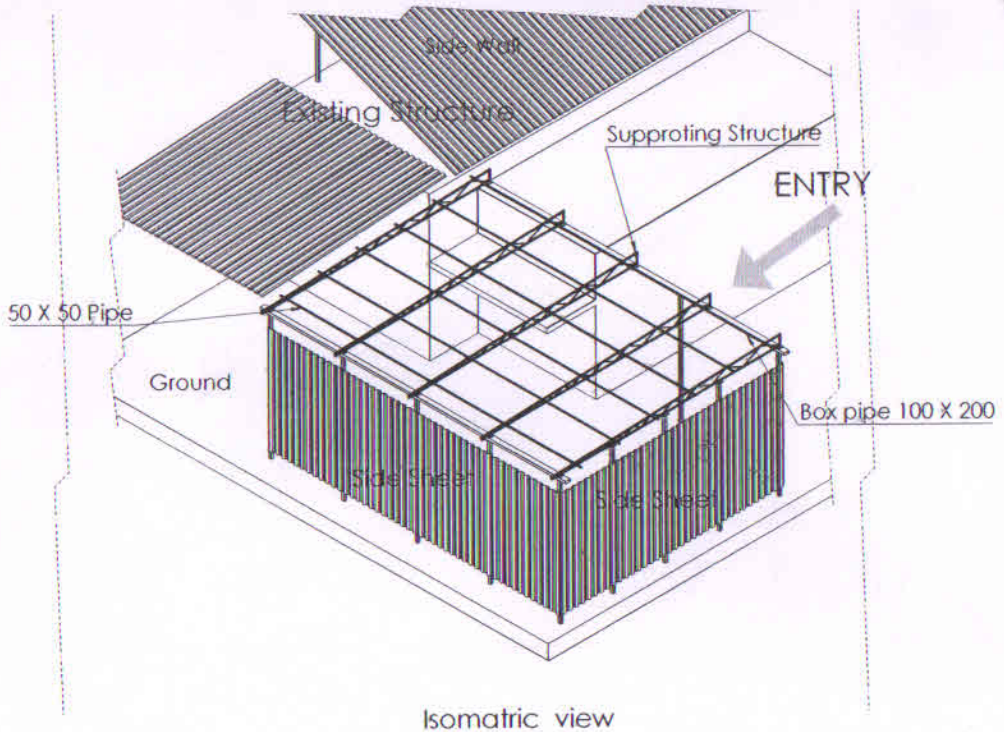
A :
Proposed Structure

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	LENGTH (mm)	TOTAL LENGHT (mm)	WT/m(Kg/m)	TOTAL WEIGHT(Kg)
1	Front Side Shed	Ground, Back and Side Wall, Poles	—	----	----		
		TUBE, SQUARE 100 X 100 X 5	7	5144	36008	18.40	663
		TUBE, SQUARE 100 X 100 X 5	3	5260	15780	18.40	290
2	Supporting Str. Front Side Shed		—	----	----		
		TUBE, SQUARE 50 X 50 X 4	5	19475.73	97378.65	3.71	361
		TUBE, SQUARE 25 X 25 X 2	5	9989.87	49949.35	1.43	71.5
3	Structure Support pipe Fr.	TUBE, SQUARE 50 X 50 X 4	6	12330	73980	3.71	274.5
4	Corrogated Sheet	10000 X 1020 sheet/0.8mm Thick	12	10000 X 1020	----	Approx. 54Kg/SHEET	648
5	Corrogated Sheet for side	4490 X 1020 sheet/0.8mm Thick	21	4490 X 1020	----	26.57Kg/Sheet	558
6	Attachment plate	180 X 180Sq. plate 16mm thickness/ Below Supporting Str.	20	180 X 180	----		
7	Box pipe 100 X 200	Pipe of 100 X 200/ 6.3mm Thk	2	12500	25000	28.3	707.5
						Total Weight : —	3573.5 Kg

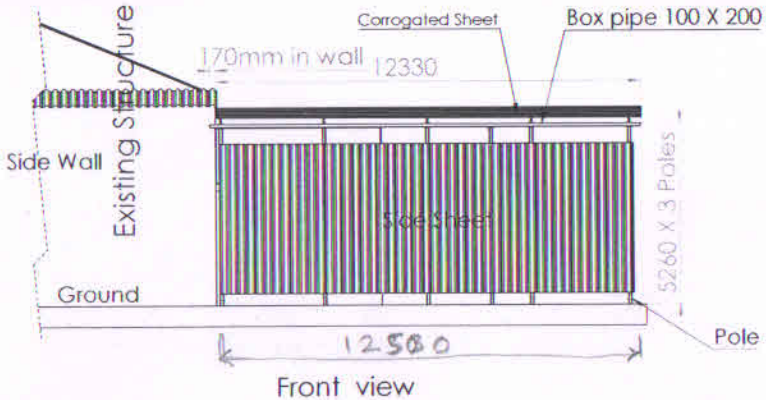
FRONT SIDE SHED BOM



Top view

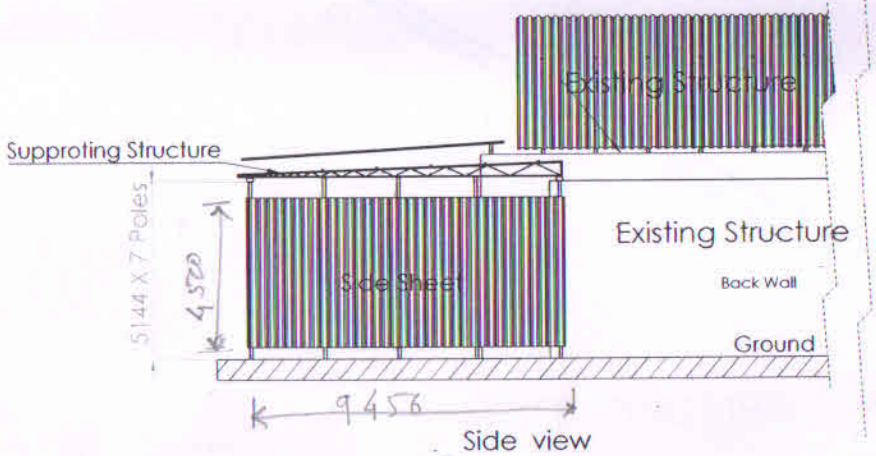


Isomatric view



Front view

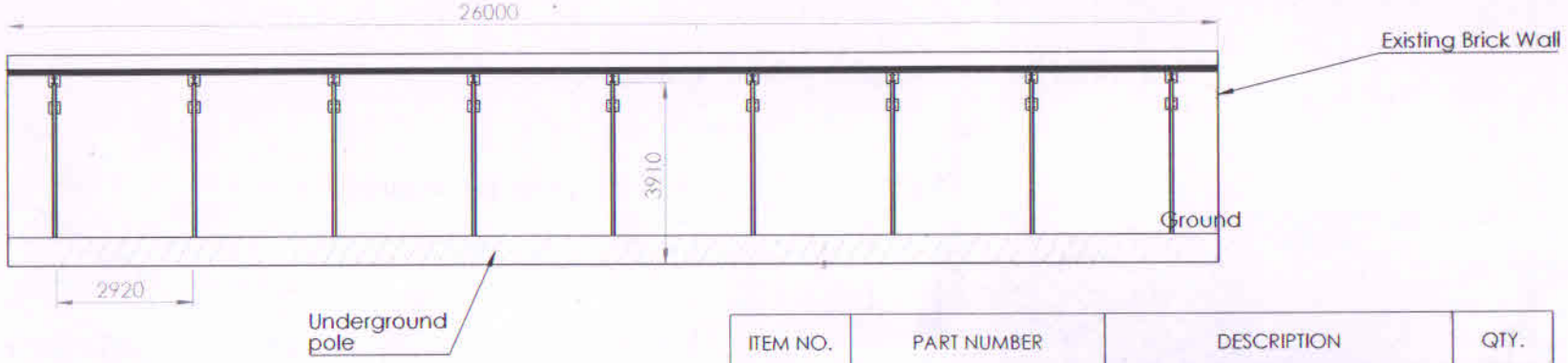
4



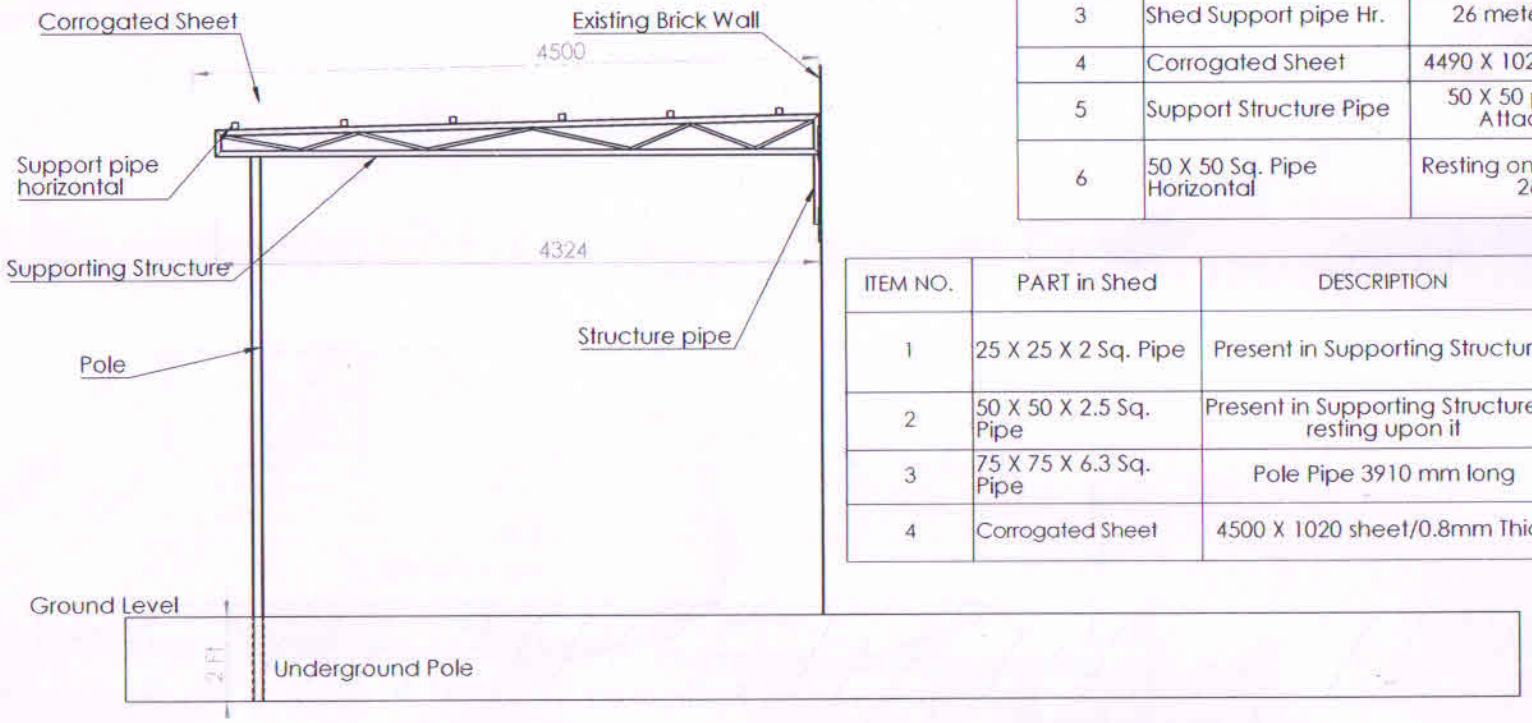
Side view

5

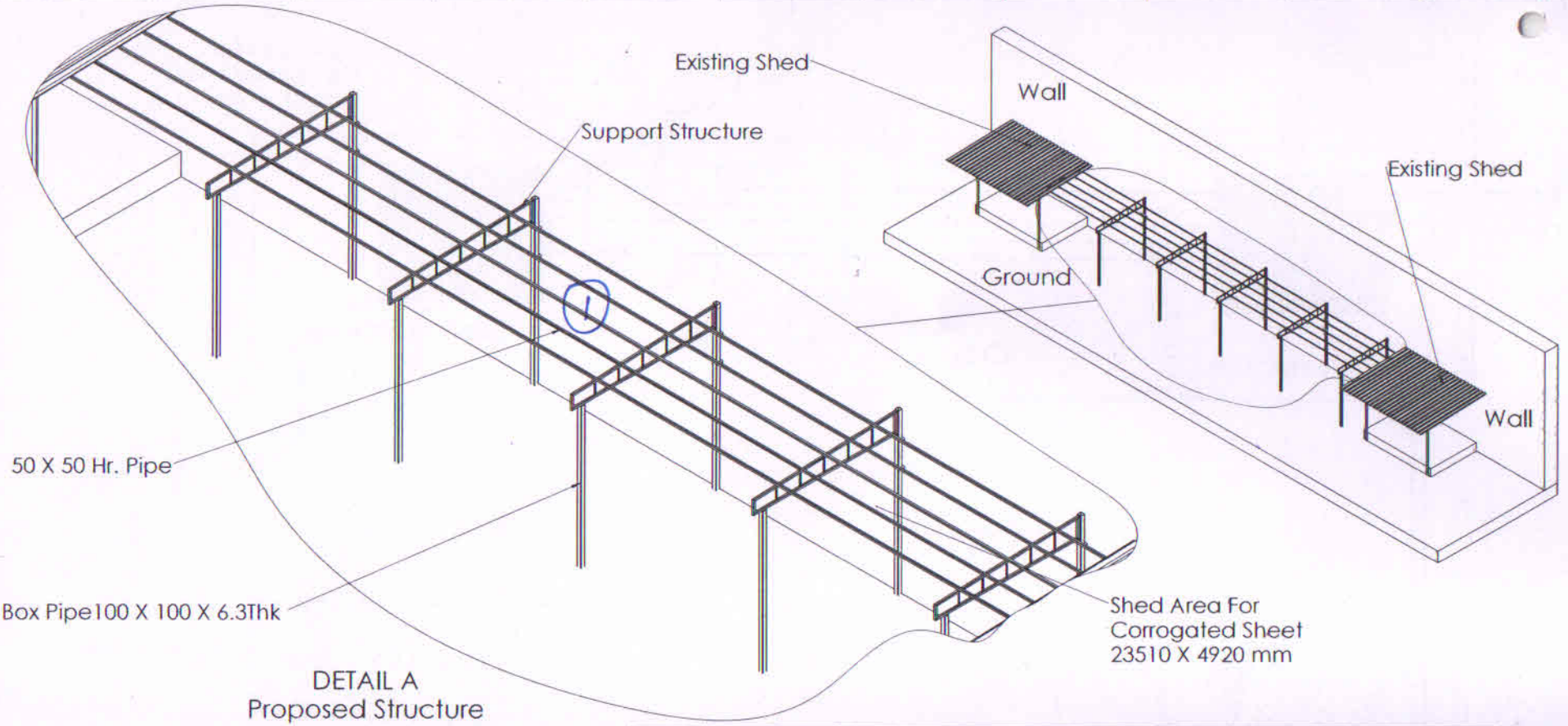
Shed Assembly All Views



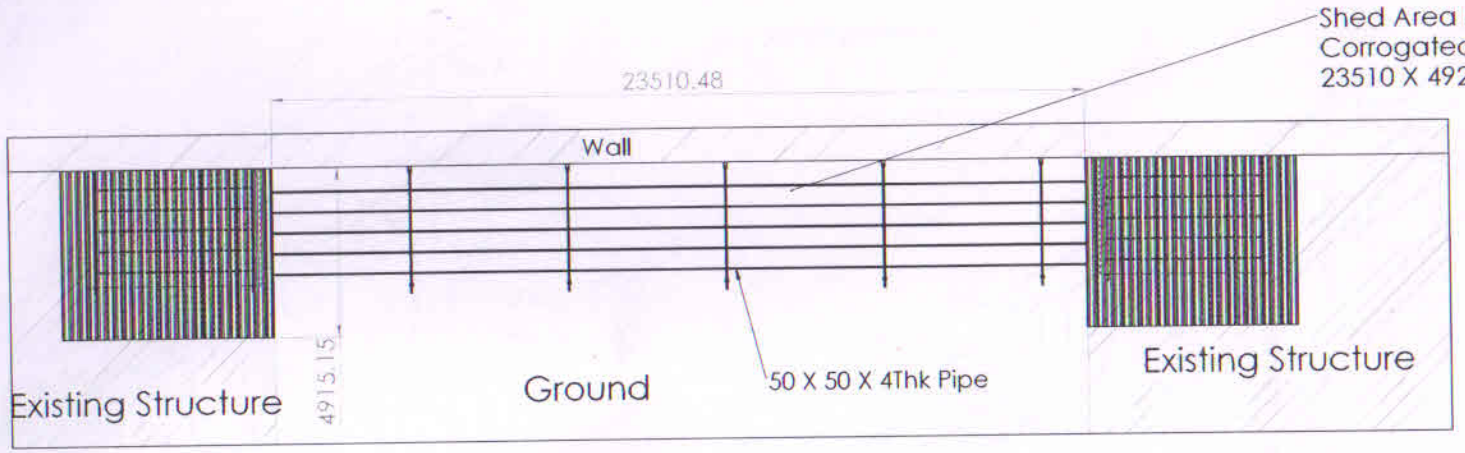
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Pole	75 X 75 Pipe	9
2	supporting Structure	50X50 Box pipe= Rectangular stucture 4340 X 200 / 25X25 pipe = 8 in each structure	9
3	Shed Support pipe Hr.	26 meter long 50X50 pipe	6
4	Corrogated Sheet	4490 X 1020 sheet/0.8mm Thick	26
5	Support Structure Pipe	50 X 50 pipe 500mm with 2 Attachment for bolts	9
6	50 X 50 Sq. Pipe Horizontal	Resting on Supporting Structure 26 meter long	6



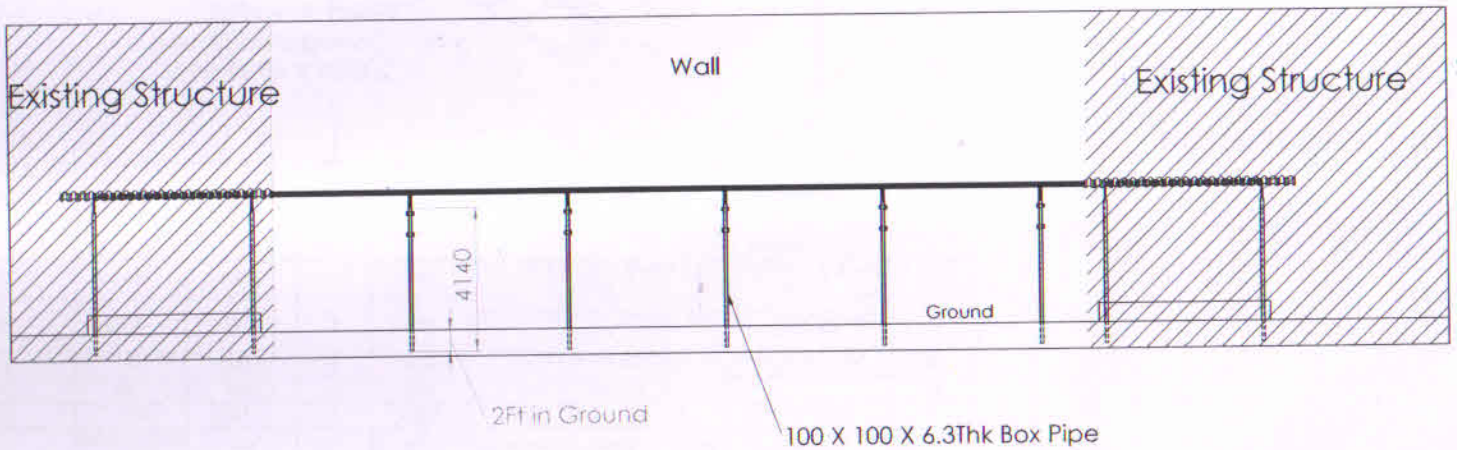
ITEM NO.	PART in Shed	DESCRIPTION	Toatl Length	Wt/meter	Total Wt.
1	25 X 25 X 2 Sq. Pipe	Present in Supporting Structure	38.8 meter	1.43 Kg/m	55.5 Kg
2	50 X 50 X 2.5 Sq. Pipe	Present in Supporting Structure & resting upon it	244 meter	3.71 Kg/m	906 Kg
3	75 X 75 X 6.3 Sq. Pipe	Pole Pipe 3910 mm long	35.2 meter	18.40 Kg/m	648 Kg
4	Corrogated Sheet	4500 X 1020 sheet/0.8mm Thick	26.5 meter	26.57 Kg/ Sheet	691 Kg



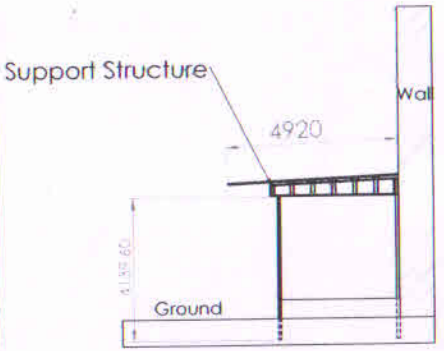
ITEM NO.	PART NUMBER	DESCRIPTION	LENGTH (mm)	QTY.	Total Length(mm)	WT/m(kg)	Total Weight (Kg)
1	Existing Structures	----	1	----	----	----	
2	Box Pipe 100 X 100 X 6.3 Thk	TUBE, SQUARE 101.60 X 101.60 X 6.35	4140	5	20700	18.40	381
3	Box Pipe 100 X 100 X 6.3 (2)	TUBE, SQUARE 101.60 X 101.60 X 6.35	4650	5	23250	18.40	428
4	Structure Support	TUBE, SQUARE 50 X 50 X 4	8064	5	40320	3.71	150
4.1		TUBE, SQUARE 25 X 25 X 2	1653	5	8265	1.43	12
5	50 X 50 Hr. Pipe	TUBE, SQUARE 50 X 50 X 4	23510	5	117550	3.71	436
6	Corrogated Sheet	4920 X 1020 sheet/0.8mm Thick	4920	23	NA	27.3 Kg/Sheet (Approx.)	628
7	Plate for pole	110 X 210mm Plate / 5mm Thk	110 X 210	10	----	----	----
8	Plate for Structure	100 X 100 mm Plate / 5mm Thk	100 X 100	5	----	----	----
						Total WEIGHT : -	2035 Kg



Top View



Front View



Side View