

Request For Proposal for
CONSTRUCTION, DEVELOPMENT &
MAINTENANCE OF PARKS

NAME OF ULB /CITY	NAGAR NIGAM BAREILLY
NAME OF PARK	AKSHAR VIHAR PARK
PROJECT COST APPROVED	112.77 Lacs
YEAR	2015-16
DATED	29th November 2016
STATE	UTTAR PRADESH

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A. PARTICULARS OF TENDER

S.NO	<u>PARTICULAR OF WORK</u>	
1	NAME OF WORK	CONSTRUCTION DEVELOPMENT & MAINTENANCE OF AKSHAR VIHAR PARK(WARD-36) IN MUNICIPAL COPORATION BAREILLY, UTTAR PRADESH
2	PERIOD OF CONSTRUCTION	4 MONTHS
3	COST TENDER FORM	RS 12,856 (Twelve Thousand Eight Hundred and Fifty Six Only)
4	EARNEST MONEY DEPOSIT	2% of Project Cost Approved
5	DATE & TIME OF GETTING TENDER DOCUMENT	From 29 th Nov 2016 to 14 th Dec 2016 upto 04:00 PM
6	DATE & TIME OF SUBMISSION OF TENDER	From 15 th Dec 2016 to 17 th Dec 2016 upto 02:00 PM
7	DATE OF OPENING OF TECHNICAL BID	17 th Dec 2016 at 03:00 PM
8	DATE OF OPENING OF FINANCIAL BID	20 th Dec 2016, 12:00 Noon
9	PLACE OF OPENING OF TENDER	Office of Additional Municipal Commissioner, Nagar Nigam, Bareilly - 243001
10	PERIOD OF VALIDITY OF TENDER	2 MONTHS from the date of issue of Notification of Tender.
11	SECURITY DEPOSIT	10% of Project Cost Approved

B. PRE -QUALIFICATION, TECHNICAL BID FINANCIAL BID REQUIREMENTS

The Bidder should give a detailed technical proposal and financial proposal for the above detailed work complete in all respect .The financial /commercial bid shall be opened after approval of technical bid by NAGAR NIGAM Bareilly.

All the bids shall be examined and evaluated first technically and as per the past experience of similar nature of work ,financial capability and others relevant factors related to similar type of project i.e. beautification work, construction of park ,horticulture projects, civil works etc .Details are provided with technical bid document.

Tenders/RFP are invited from the reputed, capable, efficient and experienced firms /organization /PSU/Contractors having legal identity registered in state /urban local body to construct & maintain the park.

PRE-REQUISITE/PRE QUALIFICATION FOR THE TENDER.

1. Earnest money of **2% OF THE PROJECT COST APPROVED** in the form of FDR for 13 months extendable as and when required in the name of **NAGAR AYUKT, NAGAR NIGAM BAREILLY.**
2. Tender Form can be downloaded/collected from the website (www.nagarnigambareilly.com)/office of Nagar Nigam Bareilly of Rs 12,856 (Twelve Thousand Eight Hundred and Fifty Six Only) to be deposited in the form of bank draft in the Name of **NAGAR AYUKT, NAGAR NIGAM BAREILLY.**
3. Document of Income tax registration/PAN CARD is required.
4. Document of Sales tax /trade tax registration copy is required.
5. Labour department registration or any other statutory registration required.
6. Affidavit with the detail that the firm /bidder have not been blacklisted from any government semi government, organization.
7. After the satisfaction of above conditions, further technical bid shall be considered.

TECHNICAL BID

Tenders are invited from the reputed, experience, well equipped construction firm/company/individuals partnership firms having legal identity, and registered in any central government /state government /PSUs of state /centre for the Construction, development & Maintenance of Park.

NAME OF PARK AKSHAR VIHAR PARK

LOCATION WARD 36

The Bidder should give a detailed Technical/Financial proposal to carry out the above work. The financial /commercial bid shall be opened after the approval of Technical bid by the **NAGAR NIGAM, BAREILLY.**

All the bids shall be examined and evaluated first technically as per the past experience of works of similar nature and others relevant factors related to the beautification construction of parks .Details to be provided with the Technical bid.

TECHNICAL BID REQUIREMENTS

1. PAST EXPERIENCE OF SIMILAR TYPES OF CONSTRUCTION PROJECTS - ALREADY COMPLETED, ONGOING OR TENDERED.(120 MARKS)

<ul style="list-style-type: none"> • List of the departments in which similar types projects already completed or in progress performance certificate copies and work order copies issue by the competent authority.(30 MARKS)
<ul style="list-style-type: none"> • Completion of similar nature of project during last financial years worth 25% of the Project Cost Approved or more during last 3 years (30 MARKS)
<ul style="list-style-type: none"> • Net worth of the Bidder should be at least 1/3 rd of the project cost ,in support of this CA certificate /bank certificate copy should be attached (25 MARKS)
<ul style="list-style-type: none"> • Preference will be given to the firms who are having ISO-9001-2000 Certification or similar certificate.(10 MARKS)
<ul style="list-style-type: none"> • Copy of letters showing satisfactory & successful completion of work any other relevant information.(10 MARKS)
<ul style="list-style-type: none"> • Income tax return copy of last 3 years (15 MARKS)

2. DETAILED OF STAFF SKILLED /UNSKILLED WITH THEIR TECHNICAL QUALIFICATIONS AND CONSTRUCTION MACHINERIES.(80 MARKS)

<ul style="list-style-type: none"> • Details of staff and their qualifications to be deputed for the project ,at least one junior engineer & site surveyor (20 MARKS)
<ul style="list-style-type: none"> • Details of machinery in possession /owner i.e. equipments machinery etc (10 MARKS)
<ul style="list-style-type: none"> • No of permanent staff for construction on site .i.e supervisor, Mistry/mason, labour/ Beldar/ gardener/ nursery labour.etc.(10 MARKS)
<ul style="list-style-type: none"> • Place and location of existing testing lab and equipments with present Address.(10 MARKS)

- Copy of registration with the Trade tax, PAN card, service tax and the labour department.(15 MARKS)
- Copy of registration certificate with the class A/B/C category of registration in PWD /CPWD /MES/Central and for state govt undertakings.(15 MARKS)

NOTE*

- **TOTAL MARKING (TECHNICAL(1) +SKILL STAFF(2))**
- **1+2 = 200 MARKS = 120+80**
- **120 MARKS OUT OF 200 WILL QUALIFY THE CRITERIA OF TENDER.**
- **PRIORITY WILL BE GIVEN TO THOSE QUALIFYING ABOVE 120 MARKS.(Technical Bids requirement Point 1)**

**C. ENVELOPES TO BE USED FOR PRE QUALIFICATION
TECHINICAL BID & FINANCIAL BID AND MODE OF
SUBMISSION.**

Separate four sealed envelopes should be used one for pre requisite /prequalification for the tender, Envelope –A for EMD & Document fee, Envelop –B for “Technical bid” and Envelope –C for financial /commercial bid, and all three envelopes marked as Envelope A,B and C are to be kept in a bigger envelope –D which is to be sealed and signed by the bidder at the time of submission. Open envelopes will be cancelled. All the Envelopes (A,B,C and D) should have the details of the Bidder. Envelopes must be addressed to **ENVIRONMENTAL ENGINEER, NAGAR NIGAM BAREILLY.**

Tender can be submitted at the NAGAR NIGAM BAREILLY office address as stated in the **Particulars of Tenders** before the stipulated time & date. Tender can be submitted by registered post/speed post or courier services or by hand before the stipulated date and time after the stipulated date and time as stated in the **Particulars of Tenders**, the tender will not be considered, delay due to postal services will be the liability of the Bidder.

The financial bid of such Bidder shall be opened / considered, who will qualify in the Technical bid.

**D. TIME FRAME FOR CONSTRUCTION & DEVELOPMENT OF
AKSHAR VIHAR PARK IN WARD-36 as an urban green
space/park under AMRUT.**

1. After getting the intimation from the **NAGAR NIGAM BAREILLY** to the lowest bidder, required stamp paper and other formalities for signing contract are to be completed in all respect within five days.
2. The total time given for the contract work which includes all the activities related to tendered work should be completed in the time duration as stipulated in Particulars of Works under normal condition and it is not extendable, but due to some unforeseen reasons and natural calamities the extension may be granted after receiving a request letter by the Municipal Commissioner, Bareilly. The above period includes rainy and all seasons.
3. After completion of work, the officers /engineers of the **NAGAR NIGAM BAREILLY**, as per the prescribed third party (committee) will check all the constructed, installed and fixed items executed by the Bidder and after that completion certificate may be issued.
4. For the time over run, per day penalty may be imposed, which is Rs 1,000 (One Thousand Only) per day after the expiry of stipulated time for execution of work. Time overrun may be exempted for the genuine reason which are to be forwarded by the engineers /or prescribed authorized committee and that may/or may not be considered /accepted by the **NAGAR NIGAM Bareilly**.

E. PAYMENT SCHEDULE

1. After receiving the required material for the tendered work 80 % payment may be released for the total material cost, after inspection recommendation of the technical report of the engineers /committee prescribed for that work as per the procurement policy of Uttar Pradesh
2. After proper completion of particular work a detailed bill shall be submitted by the bidder ,accordingly payment shall be released after adjusting the amount paid in above Para -1
3. Details given in **Schedule B** are as per the requirement, but the payment shall be made as per the actual work done /executed.
4. The payment shall be released after completion of work and 10% of Security Deposit shall be released after completion of guarantee period & Operation & Maintenance period, after deducting the penalty due to delay in execution of work or fault in work (If any and duly intimated by both the parties).
5. The bank guarantee/FDR /CDR/NSC pledged in the name of **Nagar Ayukt, Nagar Nigam Bareilly** of 10% of the amount as described in above para 4, has to be submitted to the office of Nagar Ayukt, Nagar Nigam Bareilly prior to release of Work Order by Nagar Nigam Bareilly.
6. Total number of running bill should not be more than four in number i.e. one bill amount shall not be less than 25% of the tendered amount.
7. The Detailed Project Report has been prepared by the empanelled architect "M/S Anupam Saxena Nitin Singhal and Associates" of Nagar Nigam Bareilly and the work needs to be verified and certified by them before presenting the Bills for payment.
8. The Operation and Maintenance period of 5 Years would be served by the bidder and the payment would be made on yearly basis after inspection/verification of Site by relevant authorities of Nagar Nigam Bareilly.

F. CONDITION OF OPERATION & MAINTENANCE: PARKS
AMRUT.

1. There must be 1 year comprehensive maintenance warranty from the date of completion of work /handing over to **Nagar Nigam Bareilly**.
2. For the first year during the warranty period in case of any written report from **Environment Engineer, Nagar Nigam Bareilly**, about any civil/manufacturing defect **Nagar Nigam Bareilly** will impose penalty cost of Rs 500 (Five Hundred Only) per day.
3. Warranty would cover the manufacturing defects /faults liability, with all the items in the executed work including all parts of civil works/on site construction.
4. During the first years of Operation & Maintenance period entire project will be maintained by the Bidder. The **Machines, Materials, Equipments and labours are to be arranged by the Bidder.**
5. If there is some damage to the structure made, the repair work shall be executed by the Bidder immediately.
6. The bidder would quote the Operation and Maintenance Cost in the Schedule B- Financial Bid and would Bill the Operation and Maintenance Cost on yearly basis.

G. TENDER CONDITIONS

1. **Nagar Nigam Bareilly** has the right to reduce or increase the requirement of the above work, numbers of items and can even cancel the tender any time without assigning any reason.
2. **Nagar Nigam Bareilly** has the right to change, substitute and delete any item its specification and quantity in the interest of development work.
3. The proposed construction shall be as per the details given by **Nagar Nigam Bareilly** as detailed in the Detail project report.
4. Regular test or required quality tests are to be performed in institutional labs /PWD labs following the details mentioned in schedule rates /DSR rates /PWD rates or analysis of rates.
5. Before execution of work the Bidder should examine the approach road and location of the site and other hindrances/difficulties which are to be encountered during the construction for material supply if any, the urban local body has to write for the same.
6. During the execution the bidder is responsible for safety and insurance of their staff, workers, Daily wages .labour law, insurance, safety all applicable law of land are to be followed by the bidder, for any violation the bidder shall held responsible in all respect.
7. The decision **of Municipal Commissioner, Nagar Nigam Bareilly** shall be final and binding on all for any type of dispute the arbitrator shall be mayor/chairman of **Nagar Nigam Bareilly**.
8. **An affidavit should be submitted with the Tender, related to authorized signatory /lead member, for single window interface between Nagar Nigam Bareilly and the bidder.**
9. **All electrical items/equipments /tools /machinery for parks are to be selected by authorized agency registered in state /ULB the bidder will be responsible for incorporating all safety aspects & meeting up the desired service levels.**

H. BID SUBMISSION LETTER FORMAT

From.....

.....

.....(Bidder/Address)

To,

Municipal commissioner,
Nagar Nigam Bareilly,
Civil Lines, Bareilly.

SUBJECT: Construction, Development and Maintenance of AKSHAR VIHAR PARK in ward 36 in the city of Bareilly as urban green space under AMRUT mission for the year 2015-16.

Sir,

We hereby submit our offer for the above mentioned tender, we have examined the nature, details, specifications and all above and have carefully noted the instructions and conditions mentioned in the tender document. The complete tender document is being submitted originally issued by the Nagar Nigam Bareilly to us downloaded /collected from the source. Tender document is enclosed in sealed envelopes A,B,C as instructed in the tender document .

Place _____

Signature of Bidder

Date_____

_____Bidder

City_____ /cell no _____ /email

I. INSTRUCTIONS TO THE BIDDER AND TERMS & CONDITIONS.

1. Each tender shall be accompanied by the requisite Earnest Money of 2% of the Tender Amount in the form of FDR or NSC /Bank Guarantee in favour of **Nagar Ayukt, Nagar Nigam Bareilly**.
2. Without any requisite earnest money tender is liable to be disqualified.
3. Earnest money shall be retained up to expiry of the contract period.
4. The tender should be neatly written typed, every page of tender document should be signed with seal .The rates must be quoted in word also.
5. **Nagar Nigam, Bareilly** reserves the right to reject any or all the tenders or accept any tender, after analyzing pre qualification, technical bid and financial bid in total or in parts of work may be decided among various Bidder, without assigning any reason
6. **Nagar Nigam, Bareilly** has the rights to change the date of opening of technical bid /financial bid at any time.
7. The representative should bring the authorization letter to participate/ sign in the tender process/ tender document, from the Bidder having representatives attested signature (this letter is compulsory to ensure the maintenance in stipulated time frame).
8. The details of the lead member /head of the institution responsible for execution of works.
9. Any approach under pressure by any firm shall render the tender liable to be rejected
10. Any Bidder, if deviates from terms and conditions and technical **specification as prescribed, specified and mentioned** in the tender document shall be liable to be rejected.
11. On acceptance of the tender, the Bidder will be required to execute an agreement which will be treated as contract for the tendered work on non **judicial stamp paper of Rs 100 as per GO provisions**.

12. For above non judicial stamp paper of Rs 100 should be attached with the tender document.
13. If Bidder fails to sign the agreement within the stipulated time period specified Part D of the Tender, from date of confirmation of the lowest bidder, its earnest money shall be forfeited by the **Nagar Nigam Bareilly**.
14. The tendering firm /company should be registered under the relevant statutes by relevant competent authority. The firm must attach attested copies of the registration certificate and **Partnership deed /M.O.U** in case.
15. The tender price will be inclusive of all taxes and duties quoted in schedule B and detailed **project report estimates in annexure**.
16. Specification estimations and schedule of rates are to be enclosed in B.
17. Conditional tender will not be accepted and shall be summarily rejected.
18. This Tender Document will constitute to be the Part of the Agreement to be executed after allotment of tender.
19. In case of difference on any item cost between the BOQ and DPR on any point the specifications of the BOQ attached with the RFP would prevail.
20. The BOQ and Market Rates have been attached with Schedule B- Financial Bid.

J. FINANCIAL STATUS

- 1. Solvency certificate/bank guarantee duly signed and stamped by the schedule bank /registered bank authorized by GOI/RBI .**
- 2. Income tax return certificate of last 3 years .**
- 3. Liquid fund availability along with certificates signed by C.A balance sheet for last3 YEARS.**

CREDIBILITY

- 1. The bidder shall give an affidavit that he has not been or is not blacklisted from any Government or Semi government department .if any stage it is found that the credentials found no correct or manipulative or false it may lead to disqualification and black listing .**
- 2. The Nagar Nigam Bareilly may inquire the Bidder to show the quality /quantity of samples mentioned in estimates /to be used in Construction & Development of park.**

K. SCHEDULE B – FINANCIAL BID

From.....

(Bidder/Address)

To,

**Municipal commissioner,
 Nagar Nigam Bareilly,
 Civil Lines, Bareilly.**

SUBJECT : Construction, Development and Maintenance of AKSHAR VIHAR PARK in ward 36 in the city of Bareilly as urban green space under AMRUT mission for the year 2015-16.

I/we hereby agree to execute all the tendered work at% (in words also) above/below the specified rates as per the annexed Bill of Quantities.

The Operation and Maintenance Cost during the Warranty period of 5 Years would be:

O&M Year	O&M Cost (% of Project Cost approved)
Year 1	
Year 2	
Year 3	
Year 4	
Year 5	

Signature of bidder/authorized signatory

Name.....

Address.....

Mobile no.....

BILL OF QUANTITITES

Detailed project report of park would be provided (if required).

Bill of Quantities and Operation and Maintenance Cost Estimates Attached along.

BILL OF QUANTITY**EASTIMATE FOR AKSHAR VIHAR
SUMMARY OF COST**

S. No.	DESCRIPTION	AMOUNT
1	LIGHTING	5,63,884.00
2	CHILDREN PLAY AREA	11,33,979.85
3	HORTICULTURE	2,21,100.00
4	BOUNDARY WALL	3,36,689.60
5	DUST BIN (12 Designer Dust Bin @9800 Each)	1,17,600.00
6	CANTEEN (Food Kiosk) and DRINKING WATER FACILITY	17,72,783.35
7	BENCHES (Round handle Straight Bench (L:05 Ft)	1,32,000.00
8	Water Supply (Pipe Line and Irrigation)	2,65,252.75
9	SHADE\HUT	3,73,435.22
10	FOUNTAIN	20,00,000.00
11	PUBLIC CONVENIENCE	8,47,812.66
12	SIGNAGES	2,11,250.00
13	PATHWAYS (JOGGING TRACK)	26,44,937.23
	TOTAL =	1,06,20,724.66

ESTIMATE FOR ELECTRIFICATION IN AKSHAR VIHAR PARK				
BAREILLY				
S.NO.	ITEM DETAIL	QTY.	UNIT	AMOUNT
1	Providing & fixing of steel tubular pole 7.00mtr.long designated 410 sp 3 in 1:3:6 cement concrete foundation including excavation back filling etc. complete in all respect , according PWD schedule item no 604 ,	22 NOS	7716-00	169752
2	Providing & fixing of single arm G.I.pipe bracket and pole clamp directed by E.I.	22 NOS.	700-00	15400
3	S/F 100 Amp.415 volts T.P.N. switch P.W.D. Schedule item no.346	2 nos.	7385	14770
4	S/F PVC cable6mmsq. [AL.] two core flat for connection of fitting	126.00mtr.	30	3780
5	S/L Cable 25mmsq.x3.5 core[AL.] armoured P.W.D. schedule item no.501(j)	516.00mtr.	365	188340
6	S/F of junction box with neutral link and MCB 10 AMP as PW	22nos.	610	13420
7	S/F of recess/ Surface/ Pendent mounting round 18 Watt LED down lighter having powder coated die cast aluminum housing with heat sink, diffuser / reflector and driver set complete in all respect cat. AAA according PWD schedule item no 1403 ,	22 nos.	6725-00	147950
8	painting of the electric pole with two coats of aluminium paint over red oxide primer complete in all according PWD schedule item no 634,	44 nos	238-00	10472
TOTAL				563884

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ESTIMATE FOR ELECTRIFICATION IN AKSHAR VIHAR PARK
BAREILLY

S.NO.	ITEM DETAIL					
		No	L	B	H/D	QTY.
2	Providing & fixing of singl arm G.I.pipe bracket and pole clamp directed by E.I.	22	-	-	-	22 NOS.
3	S/F 100 Amp.415 volts T.P.N.switch P.W.D.Schedule item no.346	2	-	-	-	2nos.
4	S/F PVC cable6mmsq. [AL.] two core flat for connection of fitting	22		8	-	108.00mtr.
		22		14	-	
5	S/L Cable 25mmsq.x3.5 core[AL.] armoured P.W.D.schedule item no.501(j)	44		20	-	516.00mtr.
6	S/F of junction box with neutral link and MCB 10 AMP as PW	22	-	-	-	22nos.
7	S/F of LED street light fitting having die cast aluminium body and diffuser / reflector with complete driver set suitable for 80 watt conforming to ip 65 protection complete in all respect cat. AAA according PWD schedule item no 1428 ,	22	-	-	-	22 nos.
8	painting of the electric pole with two coats of aluminium paint over red oxide primer complete in all according PWD schedule item no 634,	44	-	-	-	44 nos

**ABSTRACT OF COST -4
CHILDREN PLAY AREA**

DSR 2014/ PWD- 2015-16	S. No.	Item of work	UNIT	QUANTI TY	RATE	AMOUNT
	1	2	3	4	5	6
	1	PARK BENCHES				
MR	b	Providing & fixing Straight Bench [L : 05 ft.] as per catlog code no-SB-02 , Page no-3	Each	1	18750.00	18750.00
	2	DUST BINS				
MR		Providing & fixing Designer Dust Bin (Monkey) as per catlog code no-DB-03 , Page no-4	Each	1	13750.00	13750.00
	3	CLIMBER				
MR	a	Providing & fixing Caterpillar Climber as per catlog code no-CLMB-03 , Page no-5	Each	1	88750.00	88750.00
	6	PARK DECORATIVE ITEMS				
MR	a	Providing & fixing Horse as per catlog code no-PDH-01 , Page no-10	Each	1	101562.50	101562.50
	9	SWING				
MR	a	Providing & fixing Swing (Double Seater) as per catlog code no -SW-02 , Page no-14	Each	1	32812.50	32812.50
		CIVIL WORK				
PWD / 251	1	Excavation in foundations in ordinary soil (Loam clay or sand) including lift up to 1.5 m and lead up to 30.0 meter and including filling, watering and ramming of excavated earth in to the trenches or into the space between the building and the sides of foundation trenches or in to the plinth and removal and disposal of surplus earth as directed by the Engineer- in charges up to a distance of 30 m from the foundation trenches including royalty				
			CUM	20.48	100.00	2,048.00
PWD / 281	2	Providing and laying cement concrete 1:4:8 (1 cement : 4 coarse sand : 8 graded stone ballast 20 mm in size) including supply of all materials, labour and T& P etc. required for proper completion of the work and curing complete, also including cost of form work in foundation and floor.				
			CUM	4.70	5100.00	23,970.00

PWD / 283	3	R.C.C. work with cement, approved coarse sand and 20mm gauge approved stone ballast in the proportion of 1 : 2 : 4 (one cement : 2 c.sand : 4stone grit of 20 mm nominal size) in lintels of doors and winndows excluding supply of reinforcement and its bending but including its fixing and binding the same with 24B.W.G.G.I. binding wire and including necessary centering and shuttering etc. and also including supply of all materials, labour & T&P etc. required for proper completion of works. Binding wire cost being included in the items.				
284		Same as item no 283 but for FRAME GROUTING in 1:1.5:3	CUM	1.00	7250.00	7,250.00
11.20.2	4	Medium shade pigment using 50% white cement 50% Grey cement.	SQM,		1112.50	0.00
11.20	5	Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and cleaning etc. complete, on 20mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).				
11.20.2		Medium shade pigment using 50% white cement 50% Grey cement.	SQM,	255.00	1112.50	283687.50
MR	7	S/F of premoulded mechanically compressed controlled vibration Kerb Stone comprising tapered of plan size 250x400x125 mm. The compressive strength of Kerb stone shall not be less than 20 Mpa & by weight not less than 3.5 Kg/no. including cost of all material, labour, T&P etc. required for proper completion of work as directed by E/I. (MR rate)	Rmt	76.93	445.00	34233.850
MR		Supplying /laying of 10 to 12mm thick p gravel in children play area.	CUM	34.39	1450.00	49,865.50
MR	8	Providing and laying Gross on ground etc.	SQM	3182.00	150.00	4,77,300.00
				TOTAL		1133979.85

ABSTRACT OF COST					
Green Area at Akshar Vihar					
S.No	Description	Qty	Unit	Cost	Amount
				Rs./unit	(Rs.)
1	Ground Cover of Lawn with Grass (Selection 1) Variety treated with pesticide and fertilizers	3182	sq. mtr	25	79550
2	Ravenia Palm	10		650	6500
3	Latina Rubra	10		600	6000
4	Zamia Palm	25		150	3750
5	Silver Ficus	13		450	5850
6	Seasonal seedlings of 45 days	7000		6	42000
7	Croton Banglora 2-2.5ft. Height	38		325	12350
8	Ficus/Unipres Taperi multi balls	25		1500	37500
9	Washintonia Palm	15		500	7500
10	Labour, transportation and miscellaneous charges@10%				20100
				Total	221100

ABSTRACT OF COST 16						
113 mtr BOUNDARY WALL ONLY RAILING (FRONT SIDE)						
DSR 2014/ PWD- 2015-16	S. No.	Item of work	UNIT	QUANTITY	RATE	AMOUNT
	1	2	3	4	5	6
PWD / 283	1	R.C.C. work with cement, approved coarse sand and 20mm gauge approved stone ballast in the proportion of 1 :2 :4 (one cement : 2 c.sand : 4stone grit of 20 mm nominal size) in lintels of doors and winndows excluding supply of reinforcement and its bending but including its fixing and binding the same with 24B.W.G.G.I. binding wire and including necessary centering and shuttering etc. and also including supply of all materials, labour & T&P etc. required for proper completion of works. Binding wire cost being included in the items.				
284		Same as item no 283 but for Footing columns slab in 1:1.5:3 column 7960.0	CUM	12.90	7250.00	93,525.00
PWD / 504	2	Mild steel or iron in plain work such as reinforced concrete or reinforced brick work (when not included in over all rates) wrought to required shape as necessary including bending for proper completion of the work and including supply of all steel and wastage & overlapping & hook.	Qtl	11.87	4280.00	50,803.60
DSR /10.16.1	3	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				
		Hot finished Welded type tubes.	KG		104.00	
	4	PLASTER				
PWD /584	(a)	12 mm thick Plaster with cement & course Sand of 1.25 FM Mortar in 1:4				
		1:4 (1 cement : 4 course sand)	SQM	195.50	140.00	27,370.00
PWD /660	5	Finishing walls with water proof cement paint of approved make and quality on new work with two coat to give as even shade, including spply of all material, labour and T&C.required for proper completion of the work.				
	6					
		Two coats	SQM	195.50	42.00	8,211.00
DSR /10.16.1	7	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				
		Hot finished Welded type tubes.	KG	1507.50	104.00	1,56,780.00
					TOTAL	3,36,689.60

ABSTRACT OF COST -2						
FOOD COURT						
DSR 2014/ PWD- 2015-16	S. No.	Item of work	UNIT	QUANTITY	RATE	AMOUNT
PWD / 251	1	2	3	4	5	6
	1	Excavation in foundations in ordinary soil (Loam clay or sand) including lift up to 1.5 m and lead up to 30.0 meter and including filling, watering and ramming of excavated earth in to the trenches or into the space between the building and the sides of foundation trenches or in to the plinth and removal and disposal of surplus earth as directed by the Engineer- in charges up to a distance of 30 m from the foundation trenches with royalty				
			CUM	56.25	100.00	5,625.00
PWD SOR / 2008 / Chapter No -1		Providing and injecting chemical emulsion for pre constructional anti termite treatment and creating a chemical barrier under and around the column pits wall trenches basement excavation top surface if plinth filling junction of wall and floor, along the external per meter of binding expansion joints surroundings of pipes and conduits etc., complete (plinth area of the building at ground floor only shall be measured as per IS 6313 (part II1981). Aldrine emulsifiable concentrate or any other approved material such as Hephthachlor of Chlordane will be used. The rate of application of chemical emulsion shall be as follows:				
		(1) Treatment for masonry and foundation 5 liters per Sq.m.				
		(2) Back fill in immediate contact with foundation 7.5 liters per Sq.M.				
		(3) Treatment of top surface of plinth filling 5 liters per Sq.m				
		(4) Treatment of soil along external perimeter of Building 7.50 liters per Sq.m.				

		(5) Treatment of soil under apron along external perimeter 5 liters per Sq.m	SQM	172.50	115.00	19,837.50
PWD / 281	3	Providing and laying cement concrete 1:4:8 (1 cement : 4 coarse sand : 8 graded stone ballast 20 mm in size) including supply of all materials, labour and T& P etc. required for proper completion of the work and curing complete, also including cost of form work in foundation and floor.	CUM	9.25	5100.00	47,175.00
PWD/ 279(b)	4	Providing and laying cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone ballast 20 mm in size) including supply of all materials, labour and T& P etc. required for proper completion of the work and curing complete, also including cost of form work in foundation and floor.	CUM	7.87	5800.00	45,646.00
PWD / 283	b	R.C.C. work with cement, approved coarse sand and 20mm gauge approved stone ballast in the proportion of 1 :2 :4 (one cement : 2 c.sand : 4stone grit of 20 mm nominal size) in lintels of doors and winndows excluding supply of reinforcement and its bending but including its fixing and binding the same with 24B.W.G.I. binding wire and including necessary centering and shuttering etc. and also including supply of all materials, labour & T&P etc. required for proper completion of works. Binding wire cost being included in the items.				
PWD/ 305b	5	First class brick work in 1:4 cement and coarse sand mortar in Foundation & Filling one brick thick including supply of all materials, labour and T & P etc. required for proper completion of work.	CUM	15.00	4800.00	72,000.00
PWD / 361	6	25 mm thick. Damp proof coarse cement concrete consisting of one part cement . 1.5 parts approved coarse sand and 3 parts approved 13 mm graded stone grite and including water proofing material as ordered by the Engineer-in-charge in the proportion as specified by the manufactures.	SQM	19.83	275.00	5,453.25

PWD / 305 (b)+ 309+310	7	First class brick work in 1:4 cement and coarse sand mortar in super structure one brick thick including supply of all materials, labour and T & P etc. required for proper completion of work.				
			CUM	42.61	5285.00	2,25,193.85
PWD / 504	8	Mild steel or iron in plain work such as reinforced concrete or reinforced brick work (when not included in over all rates) wrought to required shape as necessary including bending for proper completion of the work and including supply of all steel and wastage & overlapping & hook.				
			Qtl	34.10	4280.00	1,45,948.00
PWD/502(b)	9	Fabrication of door and window chaukhat frame including cost of hinges.				
			QTL	2.81	4410.00	12,392.10
	10	PLASTER				
PWD /584	(a)	12 mm thick Plaster with cement & course Sand of 1.25 FM Mortar in 1:4				
		1:4 (1 cement : 4 course sand)	SQM	337.50	140.00	47,250.00
PWD/ 597/2015- 16	(b)	12 mm thick cement plaster in dedo or skirting in 1:2 consisting of one cement and 2 parts of approved coarse sand laid in panels, finished with 3 mm (1/8") floating coat of neat cement or cement and marble dust in ratio of 5:1 including supply of all materials, labour and T & P etc. required for proper completion of the work.				
			SQM	11.25	196.00	2,205.00
D /470/2015	11	Supply and fixing of flush doors commercial quality conforming to I.S.2202 part 1 (1983) including fixing of wooden cleats and stoppers and including fixing and adjustment of hinges bolts locks handleless springs fitting with necessary screws to be supplied .1- 32 mm thicks				
		32mm thick door shutters.	SQM	15.00	1340.00	20,100.00
		Anodised Aluminium Fittings(All Fittings shall Be ISI Marked)				
DSR No. 9.96/14	12	Providing and fixing aluminium sliding door bolts, ISI marked anodised anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :				
		sliding door bolt 250 x 16 mm	Each	6.00	189.00	1,134.00

DSR No. 9.97/14	13	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
	a	Tower bolt 200x 10	Each	6.00	79.00	474.00
	b	Tower bolt 150x 10	Each	6.00	65.00	390.00
DSR No. 9.100/14	14	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
9.100.1/14		Handle 125mm	Each	12.00	69.80	837.60
DSR No. 21.1.2 /14	15	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)				
21.1.2.3		Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	KG	34.07	443.20	15,099.82
DSR No. 21.3/14	16	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge.				
21.3.2		With float glass panes of 5.50 mm thickness	Sqm	62.37	1054.20	65,750.45
DSR/13.80	17	Providing and applying white cement based putty of average thickness 1 mm of approved brand and manufacturer , over the plastered wall surface to prepare the surface even and smooth complete.	SQM	-	-	NIL
DSR /13.83	18	Wall painting with premium acrylic emulsion paint of interior grade VOC (volatile organic compound) content less than 50 grams / litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				
13.83.2		Two coats	SQM	322.50	90.00	29,025.00

DSR /8.2	19	Providing and fixing 18mm thick gang saw cut mirror polished (pre moulded and pre polished) machine cut for kitchen platforms, vanity counters window sills, facias and similar locations of required size of approved shade,colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing moulding and polishing to the edge to give high gloss finish etc. complete at all levels.				
8.2.2		Granite of any colour and shade				
8.2.2.2		Area of slab over 0.50 sqm.	SQM	23.40	3907.00	91,423.80
. NO. 11.20	20	Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).				
		Medium shade pigment using 50% white cement 50% Grey cement DSR. No.11.20.2 /14	Sqm	37.50	1112.50	41718.75
11.36	21	Providing and fixing 1st quality ceramic glazed wall & floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	SQM	105.75	880.00	93,060.00
PWD NEW ITEM-1	22	Laying of 25mm thick Kota Stone of size 45*45 cm. and above flooring over previously prepared base with 2 cm thick 1:3 cement mortar including filling of joints with cement mixed with pigment required for matching the shade of floor as per direction of E/I including cutting polishing with wax polishing including supply of all materials T&P etc required for the proper completion of work.	SQM	67.5	890.00	60,075.00
S/PER M.R.	23	S/Fixing of stainless steel sink ISI MARKS	EACH	9.00	1500.00	13,500.00

	24	Providing, fixing, jointing and testing in position of ISI marked UV stabilized UPVC pipes for soil, waste, and vent, Type-B as per IS : 13592 suitable for rubber ring joints, including all necessary specials and fittings (confirming to IS:14735) i.e. bends, tees, junctions (with or without doors), reducing bush, reducers, WC connectors, couplers, cowels, clamps, rubber rings etc. complete.				
		SWR PIPE for soil , waste & vent pipe.				
	a	75 mm dia	RMT	24.75	342.00	8,464.50
	b	110 mm diameter	RMT	31.50	484.00	15,246.00
	c	160 mm diameter	RMT			NIL
	25	Providing & fixing C.P jalli over Floor Trap.	Each	9.00	100.00	900.00
18.8/14	26	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. (Concealed work including cutting chases and making good the walls etc.)				
18.8.1	a	15 mm nominal outer dia .Pipes.	RMT	18.75	270.00	5,062.50
18.8.2	b	20 mm nominal outer dia .Pipes.	RMT	26.25	296.40	7,780.50
18.8.3	c	25 mm nominal outer dia .Pipes.	RMT	18.75	351.30	6,586.88
18.8.4	d	32 mm nominal outer dia .Pipes.	RMT	31.50	422.40	13,305.60
	27	Providing and fixing CPVC Ball Valve				
	a	20mm nominal bore	Each	0.75	514.00	385.50
	b	25mm nominal bore	Each	1.50	674.00	1,011.00
	c	32mm nominal bore	Each	0.75	1277.00	957.75
DSR/17.28	28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
17.28.2		Flexible pipe				
17.28.2.2		40mm dia	Each	9.00	76.00	684.00

PWD NEW	29	Providing & Laying "BRICK COBA" 12mm thick laid with M-150 class brick coba 7,5 cm thick with gape of 15 mm to each other , over 20mm thick base of cement 1:4 with water proofing compound including s/o all materials labour T&P etc complete.	SQM	168.75	950.00	1,60,312.50
S/Per M.R.	30	Providing & fixing Long body bib cock auto closing system complete.	Each	18.00	610.00	10,980.00
DSR. No 18.48 /14	31	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	Ltr	750.00	7.25	5,437.50
DSR /10.6	32	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. Shutter rule = 1500/- topcover 600/- String = 580/- Bearing 380/-				
10.6.1		80x1.25mm M.S. laths with 1.25 mm thick top	SQM	45.00	1500.00	67,500.00
pwd138c+187a	33	Wiring for light point with 1 Sq.mm FR PVC insulated multistrand copper conductor single core cable in surface/recessed in PVC (HD, ISI) conduit with modular switch, plate, suitable box, ceiling rose/angle /batten holder on 3mm phenolic paminated backbite sheet , and earthing the 3 rd point with 1.5 sq.mm FR PVC insulated copper conductor single core cable .as req,	Each	18.75	555.00	10,406.25
pwd 140c+187d	34	Wiring for fan /fresh air fan point with 1 Sq.mm FR PVC insulated multistrand copper conductor single core cable in surface/recessed in PVC (H D, ISI) conduit with modular switch, plate, suitable box, ceiling rose, and earthing the point with 1.5 sq.mm FR PVC insulated multistrand copper conductor cable as req,[pwd140c+187d]	Each	3.75	640.00	2,400.00

	35	Wiring for circuit, sub main & power plug point wiring along with earth wire with the following size of FR PVC insulated multistrand copper conductor single core cable in existing pvc conduit as required,				
pwd291	a	2 x 2.5 sq.mm + 1 x 1.5 sq.mm earth wire	mtr	45	58.00	2,610.00
pwd291a	b	2 x 4 sq.mm + 1 x 2.5 sq.mm earth wire	mtr	18.75	87.00	1,631.25
DSR 1.32	36	Supplying and fixing suitable size box with cover plate in front on surface/recess including providing and fixing 6 pin15/16 Amp modular type socket outlet and 15/16 amps switch, connection, painting etc. as required.	Each	9	395.00	3,555.00
DSR 1.26		S/F of modular type blanking plate as req.	Each	3	23.00	69.00
PWD449	37	S/F/T/C of industrial bulk head fitting with polycarbonate base ground ,prismatic reflector silicon gasket suitable for and with 1x18 watt CFL complete with inall respect.	Each	12	753.00	9,036.00
	38	300 mm (12") 900 RPM Heavy duty exhaust fan Havells make	Each	6	3548.00	21,288.00
	39	Supplying, installation, testing and commissioning of prewired factory made following size surface/ recess mounting, double door type, 240 volts SPN MCB distribution board of sheet steel, dust protected duly phasphotized and powder painted, including interconnections etc. as req.				
PWD1024 c		2+8 way	Each	0.75	1386.00	1,039.50
	40	S/F 5 Amp to 32 Amp 240 volt 'C' curve MCB of following poles in the existing MCB DB complete with connection, testing and commissioning as required.				
PWD1002	a	Single pole (6/10/20/32 Amp)	Each	3	143.00	429.00
PWD1011	b	Double pole (63 Amp)	Each	3	618.00	1,854.00
PWD/518 +520	41	Providing & fixing in position collapsible steel shutters with vertical channels 20*1.0 with top and bottom rails ofTiron 40*40*6 mm with 38mm dia steel pulleys with all accessories etc.	SQM	62.37	2100.00	1,30,977.00
MR	42	Providing and fixing of water cooler blue star SD1*100 capecity 380 litre	EACH	1	74500.00	74,500.00
MR	43	Providing and fixing of RO system of kent elite II	EACH	1	54000.00	54,000.00

12.36	44	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge,r 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete. (FOOD COURT AREA)	SQM	105.75	880.00	93,060.00
					TOTAL	1772783.35

ABSTRACT OF COST -11					
TURF IRRIGATION (BOQ)					
AKSHAR VIHAR					
S.NO	DESCRIPTION	Qty	Unit	COST	AMOUNT
No.				Rs./Unit	(Rs.)
I.	<u>Pipe Work</u>				
	Providing, laying and jointing in position PVC pipe conforming to IS:4985:2000(ISI mark and suitable for the respective working pressures with all fittings and accessories e.g. couplings, tees, bends, reducers, screwed adaptors, flanged tail pieces etc. jointing as per manufacturer's instructions, including earth work in excavation and refilling (Earth work includes 450 mm of soil.				
a)	PVC Pipe 90 mm (OD) 4 kg/cm ²	100	Mtr.	185	18500
b)	PVC Pipe 63 mm (OD) 6 kg/cm ²	140	Mtr.	120	16800
c)	PVC Pipe 50 mm (OD) 6 kg/cm ²	250	Mtr.	78	19500
d)	PVC Pipe 40 mm (OD) 6 kg/cm ²	0	Mtr.	54	0
II.	<u>SPRINKLERS & POP-UP(Radius-12mtr.)</u>				
a)	Providing & fixing of Sprinkler with heavy-duty commercial equipped .The body and cap of the sprinkler shall be injection molded from ABS, a non-corrosive, impact-resistant, UV-resistant, heavy-duty plastic material. The sprinkler shall have a plastic filter screen sized to prevent entry of foreign material into the nozzle. (Hunter/USA Rainbird)	18	No.	1750	31500
b)	Service Saddle	18	No.	100	1800
c)	Swing Joints rigid PVC	18	No.	165	2970
III.	<u>Valves+Safety Box</u>				
a)	Control Valve 63 mm	3	No.	1735	5205
b)	Head Control Valve 90 mm	2	No.	5670	11340
c)	Flush Valve 63 mm	3	No.	375	1125
e)	Air Release Valve	1	No.	2430	2430
IV.	<u>FILTERS (OPEN WATER)</u>				
a)	Disk (Eco) Clean Filter 40m ³	1	No.	24420	24420
b)	Bye-Pass Assembly	1	No.	5760	5760
c)	Fertigation Unit	1	No.	8000	8000
V.	<u>Pump set 5Hp (Kirloskar)</u>	1	No.	35000	35000
				Sub Total	184350
VI.	Add 15 % extra as testing & commissioning , accessories & over head etc.				27653
VII.	Add 10% Installation Charges+ Freight				21200
VIII.	Head Control Unit Fitting				10000
IX.	Trenching & Back Filling @100/mtr.	45	Mtr.	490	22050
				Total	265253

ABSTRACT OF COST -7						
GAZEBO(CALCULATION OF ONE GAZEBO)						
DSR 2014/ PWD- 2015-16	S. No.	Item of work	UNIT	QUANTITY	RATE	AMOUNT
	1	2	3	4	5	6
PWD / 251	1	Excavation in foundations in ordinary soil (Loam clay or sand) including lift up to 1.5 m and lead up to 30.0 meter and including filling, watering and ramming of excavated earth in to the trenches or into the space between the building and the sides of foundation trenches or in to the plinth and removal and disposal of surplus earth as directed by the Engineer- in charges up to a distance of 30 m from the foundation trenches				
			CUM	6.82	95.00	647.52
PWD / 281	2	Providing and laying cement concrete 1:4:8 (1 cement : 4 coarse sand : 8 graded stone ballast 20 mm in size) including supply of all materials, labour and T& P etc. required for proper completion of the work and curing complete, also including cost of form work in foundation and floor.				
			CUM	2.60	5120.00	13,312.00
PWD / 283	A	R.C.C. work with cement, approved coarse sand and 20mm gauge approved stone ballast in the proportion of 1 : 2 : 4 (one cement : 2 c.sand : 4stone grit of 20 mm nominal size) in lintels of doors and winndows excluding supply of reinforcement and its bending but including its fixing and binding the same with 24B.W.G.I. binding wire and including necessary centering and shuttering etc. and also including supply of all materials, labour & T&P etc. required for proper completion of works. Binding wire cost being included in the items.				
284		In foundation	CUM	1.23	7296.00	8,974.08
PWD/ 305b	b	Mild steel or iron in plain work such as reinforced concrete or reinforced brick work (when not included in over all rates) wrought to required shape as necessary including bending for proper completion of the work and including supply of all steel and wastage & overlapping & hook.				
			QTL	6.20	6890.00	42,718.00

11.36	3	Providing and fixing 1st quality ceramic glazed wall & floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	SQM	26.01	836.65	21,761.27
DSR /10.16.1	4	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				
			KG	330.00	102.90	33,957.00
PWD/ 305b	6	First class brick work in 1:4 cement and coarse sand mortar in Foundation & Filling one brick thick including supply of all materials, labour and T & P etc. required for proper completion of work.	CU	3.38	5855.00	19,772.34
PWD / 504	7	Mild steel or iron in plain work such as reinforced concrete or reinforced brick work (when not included in over all rates) wrought to required shape as necessary including bending for proper completion of the work and including supply of all steel and wastage & overlapping & hook.	QTL	0.841	7246.00	6,093.88
	8	PLASTER				
PWD /584	(a)	12 mm thick Plaster with cement & Find Sand of 1.25 FM Mortar in 1:4				
		1:4 (1 cement : 4 Find sand)	SQM	11.22	125.00	1,402.50
PWD/ 597/2015-16	(b)	Providing and laying tile cladding in complete.	SQM	11.25	1,000.00	11,250.00
D /470/2015	9	Granite of any colour and shade on benches	SQM	12.38	1250.00	15,468.75
DSR/13.80	10	Providing and applying white cement based putty of average thickness 1 mm of approved brand and manufacturer , over the plastered wall surface to prepare the surface even and smooth complete.	sqmt	14.22	40.00	568.80
DSR /13.83	11	Wall painting with premium acrylic emulsion paint of interior grade VOC (volatile organic compound) content less than 50 grams / litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				

			sqm	14.22	75.35	1,071.48
					TOTAL	176997.61
		Total for 2 Gazebos		$2*186717.61=$		373435.22

ABSTRACT OF COST						
Toilet Block -1						
DSR 2014/ PWD- 2015-16	S. No.	Item of work	UNIT	QUANTI TY	RATE	AMOUNT
	1	2	3	4	5	6
PWD / 251	1	Excavation in foundations in ordinary soil (Loam clay or sand) including lift up to 1.5 m and lead up to 30.0 meter and including filling, watering and ramming of excavated earth in to the trenches or into the space between the building and the sides of foundation trenches or in to the plinth and removal and disposal of surplus earth as directed by the Engineer- in charges up to a distance of 30 m from the foundation trenches including royalti (S/N 251) P.W.D-S.D.R. 2015				
			CUM	65.75	100.00	6,575.00
	2	ANTITERMITE TREATMENT				
PWD SOR / 2008 / Chapter No -1		Providing and injecting chemical emulsion for pre constructional anti termite treatment and creating a chemical barrier under and around the column pits wall trenches basement excavation top surface if plinth filling junction of wall and floor, along the external per meter of binding expansion joints surroundings of pipes and conduits etc., complete (plinth area of the building at ground floor only shall be measured as per IS 6313 (part II1981). Aldrine emulsifiable concentrate or any other approved material such as Hephthachlor of Chlordane will be used. The rate of application of chemical emulsion shall be as follows: (S/N 1)				
		(1) Treatment for masonry and foundation 5 liters per Sq.m.				
		(2) Back fill in immediate contact with foundation 7.5 liters per Sq.M.				
		(3) Treatment of top surface of plinth filling 5 liters per Sq.m				
		(4) Treatment of soil along external perimeter of Building 7.50 liters per Sq.m.				
		(5) Treatment of soil under apron along external perimeter 5 liters per Sq.m	SQM	75.80	115.00	8,717.00

PWD / 281	3	Providing and laying cement concrete 1:4:8 (1 cement : 4 coarse sand : 8 graded stone ballast 20 mm in size) including supply of all materials, labour and T& P etc. required for proper completion of the work and curing complete, also including cost of form work in foundation and floor. (S/N 281)	CUM	1.50	5100.00	7,650.00
PWD/ 279(b)	4	Providing and laying cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone ballast 20 mm in size) including supply of all materials, labour and T& P etc. required for proper completion of the work and curing complete, also including cost of form work in foundation and floor. as per S/N (279 I)	CUM	3.50	5800.00	20,300.00
PWD / 283	b	R.C.C. work with cement, approved coarse sand and 20mm gauge approved stone ballast in the proportion of 1 :2 :4 (one cement : 2 c.sand : 4stone grit of 20 mm nominal size) in lintels of doors and winndows excluding supply of reinforcement and its bending but including its fixing and binding the same with 24B.W.G.G.I. binding wire and including necessary centering and shuttering etc. and also including supply of all materials, labour & T&P etc. required for proper completion of works. Binding wire cost being included in the items. Columns 7960.00 cu.m.				
284 A		Same as item no 283 but for Footing slab in 1:1.5:3	CUM	3.53	7250.00	25,592.50
PWD/ 305b	5	First class brick work in 1:4 cement and coarse sand mortar in Foundation & Filling one brick thick including supply of all materials, labour and T & P etc. required for proper completion of work.	CUM	9.55	4800.00	45,840.00
WD / 361	6	25 mm thick. Damp proof coarse cement concrete consisting of one part cement . 1.5 parts approved coarse sand and 3 parts approved 13 mm graded stone grite and including water proofing material as ordered by the Engineer in-charge in the proportion as specified by the manufactures.	SQM	10.20	275.00	2,805.00
PWD / 305 (b)+ 309+310	7	First class brick work in 1:4 cement and coarse sand mortar in super structure one brick thick including supply of all materials, labour and T & P etc. required for proper completion of work.	CUM	15.00	5285.00	79,275.00

PWD / 504	8	Mild steel or iron in plain work such as reinforced concrete or reinforced brick work (when not included in over all rates) wrought to required shape as necessary including bending for proper completion of the work and including supply of all steel and wastage & overlapping & hook.	Qtl	7.20	4280.00	49,608.00
PWD/502(b)	9	Fabrication of door and window chaukhat frame including cost of hinges.	QTL	2.25	4410.00	9,922.50
DSR /10.16.1 S.O.R 2015	10	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				
		Hot finished Welded type tubes.	KG	275.00	104.00	28,297.50
	11	PLASTER				
PWD /584	(a)	12 mm thick Plaster with cement & course Sand of 1.25 FM Mortar in 1:4				
		1:4 (1 cement : 4 course sand)	SQM	225.00	140.00	31,500.00
PWD/ S/N 583+13.1 8	(b)	20 mm thick cement plaster in dedo or skirting in 1:2 consisting of one cement and 2 parts of approved coarse sand laid in panels, finished with 3 mm (1/8") floating coat of neat cement or cement and marble dust in ratio of 5:1 including supply of all materials, labour and T & P etc. required for proper completion of the work.	SQM	20.00	196.00	3,920.00
D /470/2014	12	Supply and fixing of flush doors commercial quality conforming to I.S.2202 part 1 (1983) including fixing of wooden cleats and stoppers and including fixing and adjustment of hinges bolts locks handless springs fitting with necessary screws to be supplied .1- 32 mm thicks				
		32mm thick door shutters.	SQM	12.60	1340.00	16,884.00
		Anodised Aluminium Fiittings(All Fiittings shall Be ISI Marked)				
DSR No. 9.96/14	13	Providing and fixing aluminium sliding door bolts, ISI marked anodised anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :				
		sliding door bolt 250 x 16 mm	Each	7.00	189.00	1,323.00
DSR No. 9.97/14	14	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
	a	Tower bolt 200x 10	Each	7.00	79.00	553.00
	b	Tower bolt 150x 10	Each	7.00	65.00	455.00

DSR No. 9.100/14	15	Providing and fixing aluminium handles, ISI marked, anodised (anodiccoating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
	34	Providing & fixing handicap toilet kit as EWC P Concealed , Cistern , Seat cover , Internal fittings , wash basin , faucet with spatula lever -1 , Grab bar-2 & l hinged rail etc.	Each	1.00	85639.00	85639.00
DSR No. 9.101/14	16	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.				
9.101.2/14		Twin rubber stopper	Each	7.00	83.95	587.65
DSR/13.80	17	Providing and applying white cement based putty of average thickness 1 mm of approved brand and manufacturer , over the plastered wall surface to prepare the surface even and smooth complete. 2mm rate 110.00 1.0 110/2=55	SQM	46.80	55.00	NIL
DSR /13.83	18	Wall painting with premium acrylic emulsion paint of interior grade VOC (volatile organic compound) content less than 50 grams / litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				
13.83.2		Two coats	SQM	46.80	75.35	3,526.38
DSR /8.2	19	Providing and fixing 18mm thick gang saw cut mirror polished (pre moulded and pre polished) machine cut for kitchen platforms, vanity counters window sills, facias and similar locations of required size of approved shade,colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing moulding and polishing to the edge to give high gloss finish etc. complete at all levels.				
8.2.2		Granite of any colour and shade				
8.2.2.2		Area of slab over 0.50 sqm.	SQM	1.80	3907.00	7,032.60
	20	Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).				

		Medium shade pigment using 50% white cement 50% Grey cement DSR. No.11.20.2 /14	Sqm	2.15	1112.50	2391.88
S/N 628	21	Providing and fixing 1st quality ceramic glazed wall & floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	SQM	80.00	880.00	70,400.00
S/N 17.3	22	Providing and fixing white vitreous china extended wall mounting water closet of size 780 x 370 x 690 mm of approved shape including providing and fixing white vitreous china cistern with dual flush fitting , of flushing capacity 3 litre / 6 litre (adjustable to 4 litre / 8 litres), including seat cover, and cistern fittings, nuts, bolts and gastket etc. complete.	Each	5.00	4784.00	23,920.00
	23	Providing and fixing wash basin Leeds N C483. Size 630x450x200mm White Counter top Basin((Parrywear Make)	Each	2.00	973.00	1,946.00
MR	(b)	Providing and fixing wash basin pedestal tipe White Counter top Basin (Parrywear Make)	Each	2.00	973.00	1,946.00
17.80	24	Providing and fixing white vitreous china STALL TYPE URINAL WITH sensor flasing operated urinal of approx.having pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge. including 5 lit. capacity flushing cistern of PVC allS/N 17.4.1	Each	3.00	3326.00	9,978.00
	25	Providing, fixing, jointing and testing in position of ISI marked UV stabilized UPVC pipes for soil, waste, and vent, Type-B as per IS : 13592 suitable for rubber ring joints, including all necessary specials and fittings (confirming to IS:14735) i.e. bends, tees, junctions (with or without doors), reducing bush, reducers, WC connectors, couplers, cowels, clamps, rubber rings etc. complete.				
		SWR PIPE for soil , waste & vent pipe.				
	a	75 mm dia	RMT	37.35	342.00	12,773.70
	b	110 mm diameter	RMT	45.25	484.00	21,901.00
	c	160 mm diameter	RMT			
	26	Providing & fixing C.P jalli over Floor Trap.	Each	15.00	100.00	1,500.00

18.8/14	27	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. (Concealed work including cutting chases and making good the walls etc.)				
18.8.1	a	15 mm nominal outer dia .Pipes.	RMT	45.00	270.00	12,150.00
18.8.2	b	20 mm nominal outer dia .Pipes.	RMT	10.00	296.40	2,964.00
18.8.3	c	25 mm nominal outer dia .Pipes.	RMT	30.00	351.30	10,539.00
18.8.4	d	32 mm nominal outer dia .Pipes.	RMT	20.00	422.40	8,448.00
	28	Providing and fixing CPVC Ball Valve				
	a	20mm nominal bore	Each	1.00	514.00	514.00
	b	25mm nominal bore	Each	2.00	674.00	1,348.00
	c	32mm nominal bore	Each	2.00	1277.00	2,554.00
17.32	29	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with 12mm thk. waterproof ply back fixed to wall with 20mm dia. stainless steel spacers . Finished with 20mmx20mm AL. angle on sides.				
MR.	a	Rectangular shape 900*600 mm	Each	5.00	1586.00	7,930.00
DSR/18.21	30	Providing and fixing uplasticised PVC connection pipe with brass unions :				
18.21.2		45 cm length				
18.21.2.1		15 mm nominal bore	Each	10	68.60	686.00
DSR/17.28	31	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
17.28.2		Flexible pipe				
17.28.2.2		40mm dia	Each	7.00	76.00	532.00
DSR/18.53	32	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore				
18.53.1		15mm nominal bore	Each	13	507.00	6,591.00
	33	Providing & fixing basin pillar cock auto closing system PRS-031 complete.				
			Each	4.00	2290.00	9,160.00

DSR.No 18.48 /14	34	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	Ltr	1000.00	7.25	7,250.00
8.10	35	Providing and fixing stone slab with table rubbed, edges rounded and polished of size 75x50 cm deep and 1.8 cm thick fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6mm nominal size) as per direction of Engineer-in-charge and finished smooth.				
8.10.2		Granite Stone of approved shade.	SQM	1.85	3907.00	7,227.95
AS DSR 1141	36	Providing and fixing 1st quality vitrified floor tiles (2*2 size) conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	SQM	30.00	1,405.00	42,150.00
		Electrical Work (Internal Electrification)				
pwd138c +187a	37	Wiring for light point with 1 Sq.mm FR PVC insulated multistrand copper conductor single core cable in surface/recessed in PVC (HD, ISI) conduit with modular switch, plate, suitable box, ceiling rose/angle /batten holder on 3mm phenolic laminated backbite sheet , and earthing the 3 rd point with 1.5 sq.mm FR PVC insulated copper conductor single core cable .as req.	Each	15	555.00	8,325.00
pwd 140c+18 7d	38	Wiring for fan /fresh air fan point with 1 Sq.mm FR PVC insulated multistrand copper conductor single core cable in surface/recessed in PVC (H D, ISI) conduit with modular switch, plate, suitable box, ceiling rose, and earthing the point with 1.5 sq.mm FR PVC insulated multistrand copper conductor cable as req.[pwd140c+187d]	Each	3	640.00	1,920.00
	39	Wiring for circuit, sub main & power plug point wiring along with earth wire with the following size of FR PVC insulated multistrand copper conductor single core cable in existing pvc conduit as required,				0.00
pwd291	a	2 x 2.5 sq.mm + 1 x 1.5 sq.mm earth wire	mtr	60	58.00	3,480.00
pwd291a	b	2 x 4 sq.mm + 1 x 2.5 sq.mm earth wire	mtr	15	87.00	1,305.00
DSR 1.32	40	Supplying and fixing suitable size box with cover plate in front on surface/recess including providing and fixing 6 pin 15/16 Amp modular type socket outlet and 15/16 amps switch, connection, painting etc. as required.	Each	7	395.00	2,765.00
DSR 1.26		S/F of modular type blanking plate as req.	Each	5	23.00	115.00

PWD449	41	S/F/T/C of industrial bulk head fitting with polycarbonate base ground ,prismatic reflector silicon gasket suitable for and with 1x18 watt CFL complete with inall respect.	Each	12	753.00	9,036.00
	42	300 mm (12") 900 RPM Heavy duty exhaust fan Havells make	Each	3	3548.00	10,644.00
	43	Supplying, installation, testing and commissioning of prewired factory made following size surface/ recess mounting, double door type, 240 volts SPN MCB distribution board of sheet steel, dust protected duly phasphotized and powder painted, including interconnections etc. as req.				
PWD102 4c		2+8 way	Each	1	1386.00	1,386.00
MR	44	Providing and laying in outer wall clading in complete.	SQM	70.00	1000.00	70,000.00
MR	45	S /Fixing of .5m the galvanized plaint sheet green powder coated (40micron) with zink coating over tubulor truss. Complete with ridged flashing and gutters.	SQM	125.00	270.00	33,750.00
	46	S/F 5 Amp to 32 Amp 240 volt 'C' curve MCB of following poles in the existing MCB DB complete with connection, testing and commissioning as required.				
PWD100 2	a	Single pole (6/10/20/32 Amp)	Each	3	143.00	429.00
PWD101 1	b	Double pole (63 Amp)	Each	3	618.00	1,854.00
					TOTAL	847812.66

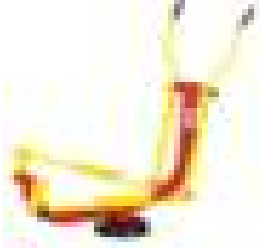
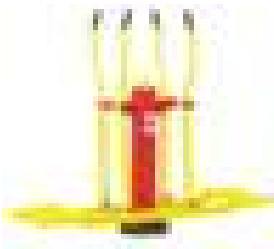
ABSTRACT OF COST -8**SIGNAGES**


ITEM NO.	Description of Work	UNIT	QUANTITY	RATE	AMOUNT	REMARK
		3	4	5	6	7
1	INDICATORS ON 200MMX600MM HPL SHEET INMATE WENGE 9102 CLADS WITH UV PRINTING/2MM ACRYLIC LETTERS RIVETED ON 75MMX40MM MS PIPE DULY PAINTED WITH ENAMEL AND GROUTING	PC	33.00	3,250.00	1,07,250.00	MR
2	FACILITIIES 6 NOS DISPLAY ON 300MMX900MM HPL SHEET INMATE WENGE 9102 CLADS WITH UV PRINTING/2MM ACRYLIC LETTERS RIVETED ON 2 NOS 100MMX50MM MS PIPE DULY PAINTED WITH ENAMEL AND GROUTING WITH FOUNDATION	PC	1	20800.00	41,600.00	MR
3	YOU ARE HERE- DISPLAY ON 1800MMX1200MM HPL SHEET INMATE WENGE 9102 CLADS WITH UV PRINTING/RIVETED ON 2 NOS 100MMX50MM MS PIPE DULY PAINTED WITH ENAMEL AND GROUTING WITH FOUNDATION	PC	1	20800.00	20,800.00	MR
4	NAME SIGNAGE 304 A GRADE STEEL HOLLOW LETTERS WITH 40MM RAISING. LED LIGHTS TO FORM SHADOW ON 1200MMX2400MM HPL SHEET INMATE WENGE 9102 CLADS	PC	1	41600.00	41,600.00	MR
	TOTAL				2,11,250.00	

ABSTRACT OF COST -3						
JOGGING TRACK						
DSR 2014/ PWD- 2015-16	S. No.	Item of work	UNIT	QUANTI TY	RATE	AMOUNT
	1	2	3	4	5	6
PWD / 251	1	Excavation in foundation in ordinary soil (Loan clay or sand) including lift up to 1.5 m (5 fts.) and lead up to 30 m (100 fts.) & including filling, watering and ramming of excavated earth into the trenches or into the space between the building and the sides of foundation trenches or into the plinth and removal and disposal of surplus earth as directed by the E/I. upto a distance of 30 m. (100 fts.) from the foundation trenches. PWD SI No 251/15-16	Cum	402.00	100.00	40200.000
PWD /275/2015-16	2	Providing and laying cement concrete 1:4:8 (1 cement : 4 coarse sand : 8 graded stone ballast 20 mm in size) including supply of all materials, labour and T& P etc. required for proper completion of the work and curing complete, also including cost of form work in foundation in floors PWD SI No. 275/2015-16	Cum	129.25	5100.00	659175.000
PWD/279 (b)	3	Providing and laying cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone ballast 20 mm in size) including supply of all materials, labour and T& P etc. required for proper completion of the work and curing complete, also including cost of form work in foundation and floor. PWD/ 279(b)	Cum	119.31	5800.00	691998.000
MR	4	S/F of premoulded mechanically compressed controlled vibration Kerb Stone comprising tapered of plan size 250x400x125 mm. The compressive strength of Kerb stone shall not be less than 20 Mpa & by weight not less than 3.5 Kg/no. including cost of all material, labour, T&P etc. required for proper completion of work as directed by E/I. (MR rate)	Rmt	892.80	445.00	397296.000
DSR 16,1/14	5	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres. DSR. No. 16.1 /14	Sqm	497.00	81.29	40401.13
	6	Laying Trimix concreting surface with broom finish as per pattern design including mixing of surface hardner @ 3.5 Kg/ sqm in concrete including vaccum dewatering from concrete mix by vaccum dewatering pump excluding cost of concrete and its laying etc. required for proper completion of work as per direction of E/I. (Sanctioned Rate)	Sqm	497.00	200.00	99400.00
	7	Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).	Sqm	265.07	1112.20	294810.85

	a	Providing and laying cement concrete 1:4:8 (1 cement : 4 coarse sand : 8 graded stone ballast 20 mm in size) including supply of all materials, labour and T& P etc. required for proper completion of the work and curing complete, also including cost of form work in foundation in floors PWD SI No. 275/2015-16	cum	6.13	3790.00	23232.70
	c	First class brick work in 1:4 cement and coarse sand mortar in super structure one brick thick including supply of all materials, labour and T & P etc. required for proper completion of work.	Cum	6.21	5855.00	36359.55
	8	grass plantation	Sqm	3182.46	150.00	362064.00
					TOTAL	2644937.23

OUTDOOR GYM
MACHINES

SN	Description	Image	Price/ Item
1	<p>RMI 1 Body Shaper/The Horse</p> <p>Functions: The Body Shaper gives a full-body cardiovascular and toning work-out, pushing with the legs while pulling with the arms against resistance. Works arms shoulders, back back legs, abdomen and legs with low impact exercise.</p> <p>Approaches: Sit on the seat, hold the handles with both hands and put both feet on the pedals. Push with legs and pull on the handles. When exercising, keep your body upright.</p> <p>Size:-979x572x1024 mm Area: 6.0 Sq ft. Material: Pre Galvanized Mild Steel, Material Thickness: 3 mm.</p> <p>Paint: All Weather Double Layer Powder Coated Paint. Sealed Ball Bearing , Steel Seat and Footrest / Foot paddle for long lasting life</p>		76,826.00
2	<p>RMI 3 cross walker</p> <p>functions :: Improves the flexibility of lower limbs and hip joint, developing the movement ability and harmonies of up and lower limbs.</p> <p>approaches: Holding the handles with both hands and standing on the pedals, then walk back and forth.</p> <p>users :Suitable for middle-aged people and elders. material: Pre Galvanized Mild Steel, Material Thickness: 3 mm.</p> <p>paints : All Weather Double Layer Powder Coated Paint Sealed Ball Bearing.</p>		1,20,482.00

<p>3</p>	<p>RMI AB trainer / sit-up bench functions:Developing the strength and flexibility of lumbar and abdominal muscles consuming the fat in waist and abdomen, good for figure shaping and bodybuilding. approaches : Hang up the round pipe with feet, crossing the hands behind head, making body backward to the trainer, recovers. size :1504×1129×627 mm Area: 18.3 Sq ft material: Pre Galvanized Mild Steel, Material Thickness: 3 mm. paint :All Weather Double Layer Powder Coated Paint Sealed Ball Bearing.</p>		<p>1,04,860.00</p>
<p><u>TOTAL</u></p>			<p>3,02,168.00</p>