Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

Dy.CE/C/BKN acting for and on behalf of The President of India invites E-Tenders against Tender No **NWR-SC-BKN-01-2023-24** Closing Date/Time 09/06/2023 15:00 Hrs. Bidders will be able to submit their original/revised bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

1. NIT HEADER

Name of Work	wall, pitching, construction estructures, staff quarters, a	hwork in filling and cutting in formation, blanketing, trolley refuses, toe wall, retaining pitching, construction of Road Under Bridges, FOB, Platform, Platform Sheds, S&T ctures, staff quarters, and other ancillary works in connection with doubling of Molisar to Ratangarh (incl) section of Bikaner Division mal Tender						
Bidding type	Normal Tender							
Tender Type	Open	Bidding System	Two Packet System					
Tender Closing Date Time	09/06/2023 15:00	Date Time Of Uploading Tender	18/05/2023 19:25					
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable					
Advertised Value	355661742.55	Tendering Section	GENERAL					
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par					
Earnest Money (Rs.)	1928300.00	Validity of Offer (Days)	90					
Tender Doc. Cost (Rs.)	0.00	Period of Completion	15 Months					
Contract Type	Works	Contract Category	Expenditure					
Bidding Start Date	26/05/2023	Are Joint Venture (JV) firms allowed to bid	Yes					
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Capital (Works)					

2. SCHEDULE

S.No.	Item	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding
	Code							Unit
Schedul	e A-IRUSSO	OR 2021 iter	ns				183580000.08	
4	Please see	Please see Item Breakup for details.			138198115.28	0.44	138806186.99	
1	Description:- Schedule-A-1 (Other than cement , reinforcement & stru						eel)	
2	Please see Item Breakup for details.			ls.	5246946.05	0.76	5286822.84	
2	Descriptio	n:- Schedu	le-A-2 (Cem	ent)				
0	Please see	Item Break	up for detai	ls.	18136054.80	1.44	18397213.99	
3	Descriptio	n:- Schedu	le-A-3(Rein	forcement s	steel)			
4	Please see	Item Break	up for detai	ls.	20682334.27	1.97	21089776.26	
4	Description:- Schedule-A-4 (Structural steel							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedul	e B-CPWD I	DSR 2021 It	ems				167710002.16	
4	Please see	Item Break	up for detai	s.	7350334.25	(-) 38.00	4557207.24	
1	Description:- Chapter-2 Earth work							
0	Please see	Item Break	up for detai	s.	36617471.16	(-) 38.00	22702832.12	
2	Descriptio							
0	Please see Item Breakup for details. 101369933.35 ((-) 38.00	62849358.68		
3	Descriptio	tion:- Chapter-5 - Reinforced Cement Concrete						
4	Please see	Item Break	up for detai	s.	38942588.85	(-) 38.00	24144405.09	
4	Descriptio	n:- Chapter						
_	Please see	Item Break	up for detai	s.	203353.20	(-) 38.00	126078.98	
5	Descriptio	n:- Chapter						
	Please see Item Breakup for details. 1034161.40 (-) 38.00					(-) 38.00	641180.07	
6	Description:- Chapter-8- Cladding work							

Page 1 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

7	Please see Item Breakup for details.	3293983.00	(-) 38.00	2042269.46						
1	Description:- Chapter-9- Wood and PVC wor	k								
0	Please see Item Breakup for details.	5460153.55	(-) 38.00	3385295.20						
8	Description:- Chapter-10 - Steel work	•								
0	Please see Item Breakup for details.	8478745.60	(-) 38.00	5256822.27						
9	Description:- Chapter-11- Flooring									
10	Please see Item Breakup for details.	1685494.35	(-) 38.00	1045006.50						
10	Description:- Chapter-12- Roofing									
	Please see Item Breakup for details.	9667164.70	(-) 38.00	5993642.11						
11	Description:- Chapter-13- Finishing /exterior finishing									
12	Please see Item Breakup for details.	2466874.75	(-) 38.00	1529462.35						
12	Description:- Chapter-15- Demolishing	Description:- Chapter-15- Demolishing								
10	Please see Item Breakup for details.	48942938.35	(-) 38.00	30344621.78						
13	Description:- Chapter-16- Road work/ Roads									
14	Please see Item Breakup for details.	468176.10	(-) 38.00	290269.18						
14	Description:- Chapter-17- Sanitary Installatio	Description:- Chapter-17- Sanitary Installations								
15	Please see Item Breakup for details.	1143286.00	(-) 38.00	708837.32						
15	Description:- Chapter-18-Water Supply	Description:- Chapter-18-Water Supply								
16	Please see Item Breakup for details.	2074627.75	(-) 38.00	1286269.21						
16	Description:- Chapter-19- Drainage/stone wa	are pipes and fittings								
17	Please see Item Breakup for details.	27653.60	(-) 38.00	17145.23						
17	Description:- Chapter-21- Aluminium work									
10	Please see Item Breakup for details.	856225.50	(-) 38.00	530859.81						
18	Description:- Chapter-22- Water proofing	<u>.</u>	•	•						
10	Please see Item Breakup for details.	416838.00	(-) 38.00	258439.56						
19	Description:- Chapter-23- Rain water Harves	ting & Tubewells		•						

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedul	e C-Non Sch	edule Items					4371740.31	
	NS1	38.00	cum	4103.93	155949.34	AT Par	155949.34	
1	Description:- NS Item No 1:-Casting, transporting and launching of precast reinforced concrete slabs in M-25 design mix for RCC boxes including launching during traffic block or without traffic block etc. as per approved drawings & design with contractors own materials such as sand, water, 6mm to 20mm well graded machine crushed stone aggregate, admixtures etc. including machine mixing of all gradients, placing, mechanical vibrating, curing etc. and providing shuttering, centering, formwork and handling, transporting to bridge sites including loading & unloading and launching including supplying, laying and levelling of required layer of sand underneath RCC slab as per approved drawing with contractors own abour and equipments, all lead, lift, royalties, taxes etc. complete in all respect except cost of reinforcement & cement which will be paid separately under relevant USSOR items.							
2	Type/L-Typ and machir required, a durability as concrete pr mechanical loading & u	e retaining vone vibrated of sper IS: 9 sper direction of the color of	vall segmen design mix 103 to reta on of Engin Fiori shall to v. Rates are th contracto	ts in M30/35 of concrete, included setting of eer-in-charge one used during inclusive of rs own labou	design mix near Lh luding the cost of f concrete/improve . Only machine ming entire work. The all the materials, r and equipments	reinforced c IS site with macentering, she workability vixed and auto e concrete she labour, transp curing, mace	1506594.44 ement concrete be achine batched, ma uttering, finishing, without impairing simatic weigh batch hall be placed with porting to bridge sihinery, tools, plant paid separately un	achine mixed admixture, if strength and ed concrete/ the help of tes including s, taxes etc.
	Please see	Item Breaku	p for details		2709196.53	AT Par	2709196.53	
3	Description:- NS Item No 3:-Placement of precast reinforced cement concrete components (RCC box/U-Type/L-Type segments of retaining walls) with the help of suitable capacity road crane at desired location during traffic block of short duration with all contactor's labour, tools, material, cranes, machinery preparation of surface including cost of filling of joints by epoxy mortar, cutting of lifting hooks by gas cutting, all lead, lift, taxes etc complete in all respect.							

Page 2 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

3. ITEM BREAKUP

Schedule	Schedule A	A-IRUSSOR 2021 items				
Item- 1	Schedule-A	A-1 (Other than cement, reinforcement & structural s	steel)			
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	011010	Preparation of foundation for Embankment by clearing, grubbing, stripping top soil (average 150 mm) and stacking beyond foundation area, thereafter ploughing and pulverizing 150 - 200 mm of top of soil with tractor trolley, mixing water to achieve OMC with water sprinkler or left for natural drying, as required, and compaction with vibratory roller of suitable capacity to achieve 98% MDD for laying first layer of soil for embankment construction.		85200.00	488.56	416253.12
2	011020	Benching of existing embankment manually in steps of 30 cm height for doubling/tripling works in running line to provide proper amalgamation between the old and new embankments as per RDSO latest Specifications and guidelines RDSO/2020//GE: IRS-0004 to the entire satisfaction of Engineer in-charge. The item includes uprooting and disposing of all the vegetation, all lift, descends, ascends and additional earthwork required for filling due to removal of earth in benching in existing bank. Note: (1) The benching Work shall be done for a maximum height of 0.90 m at any time based on the progress of earthwork starting from toe of the embankment. (2) Benching work shall be certified and recorded before starting the earth work. (3) Unit for payment shall be km per metre height of the Bank. Height here means representative average height of the bank in the specified km taken from cross sectional measurements for earthwork. (4) Since the rate includes earthwork in steps, payment under this item shall be made after completion of earthwork to that level. (5) Cut soil from bank shall not be used in embankment construction and disposed off away from bank as per the direction of Engineer-in-charge.		12.00	113367.92	1360415.04
		Earthwork in filling in embankment, guide bunds, around buried type abutments, bridge gaps, trolley refuges, platforms etc. with contractor's own earth conforming to Soil Quality Class SQ1/SQ2/SQ3, after preparation of foundations as applicable, benching in existing banks wherever required, spreading in layers with motor grader, bringing the moisture content to OMC, mechanical compaction to specified density and dressing of bank to final profile as per RDSO Specifications: RDSO/2020/GE: IRS-0004 with latest correction slips. Note: 1) Foundation preparation, Benching including additional earthwork on account of this, wherever required, shall be paid extra under relevant schedule item for benching. 2) Payment for Earthwork under this item shall be made based on the cross section measurements calculated (i) with original ground profile of existing bank based on initial ground levels before doing benching and (ii) final profile of the bank worked out with final levels as per prevailing guidelines.				
3	011032	Using Soil Class SQ2	cum	70620.00	227.72	16081586.40

Page 3 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

		Earthwork in cutting in formation, trolley refuges,				
		side drains, level crossing approaches, platforms,				
		catch water drains, diversion of nallah & finishing to				
		required dimension and slopes to obtain a neat				
		appearance to standard profile inclusive of all labour, materials, plant & machinery, leading all cut				
		spoils either to make spoil dumps or for filling in				
		embankment with leads within 2 km on either side				
		of edge of the cutting(s) including all lifts, ascent,				
		descent, loading, unloading, bailing & pumping out				
		water, if required, clearance of site and all other				
		works incidental thereto for completing the work as per RDSO Specification No. RDSO/2020/GE: IRS-				
		0004 with latest updated correction slips and to the				
		satisfaction of the Engineer-in-Charge. Note: (i) All				
		usable earth arising from cut spoils shall be led into				
		bank formation and Unusable spoils shall be				
		dumped / stacked away from toe of embankment. (ii) All hard rock /and boulders not fit for filling will be				
		stacked by the contractor and will be property of the				
		Railways. (iii)Cut trees shall be property of Railways				
		and to be deposited in the railway godown unless				
	ı	specified otherwise in the Conditions of Contract.				
4	012011	In all conditions and classifications of soil except rock	cum	60998.00	107.39	6550575.22
5	012012	Soft rock not requiring blasting	cum	20.00	255.52	5110.40
6	012030	Mechanical manufacturing of blanketing material by		55390.00	1728.03	95715581.70
		using only hard and durable stone crushed in				
		mechanical crusher to different gradations, wet mixing of the same in designed proportion in Pug				
		mill or wet mix plant to have uniform gradation				
		including all incidental transportation, laying over				
		finished formation in uniform layer(s) with motor				
		grader, compaction with suitable vibratory roller to				
		specified density and finishing to correct profile, complete as per RDSO Specification No.				
		RDSO/2020/GE: IRS-0004 with latest correction				
		slips. Note: This item shall be used only when entire				
		constituent of blanketing material is mechanically				
		manufactured by crushing of hard and durable stone into desired gradation of designed proportion.				
	<u> </u>	Turfing / planting, including all lead & lift and				
		watering as required until properly rooted with.				
		Note: Initially payment of only 40% will be made.				
		Balance 60% will be paid after 3 months of				
		maintenance period, only if the turfing is properly rooted on entire turfed area.				
7	013021	Turfing with sods, 10cm thick and 20cm square	100 Sam	1500.00	6513.75	97706.25
/	013021	closely laid.		1500.00	0013.75	97706.25
		Providing portable fencing along running track				
		where work is to be done in close vicinity of track, maintaining during execution of work and removing				
		after completion of the work as per direction of the				
		Engineer. Fencing shall consist of self supporting				
		steel angles of size 50mm x 50mm x 6mm, 1.5m				
		long provided with hooks etc. and embedded in CC				
		1:2:4 block of size 0.23m x 0.23m x 0.23m placed at c/c distance of 2m along track. 12mm dia rods in				
		three horizontal layers shall be tack welded with				
		angle posts. Note: Released material will be				
		property of the contractor after completion of work.				
		Cost of cement required for CC blocks shall be paid				
Ω	013041	separately.	Motro	10500.00	064.44	5155005 00
8	013041	With provision of one 50mm wide retro-reflective tape in horizontal direction, duly secured/tight with		19500.00	264.41	5155995.00
		vertical posts.				
		•	•			

Page 4 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

9	013060	Supplying, driving and erecting in all types of soils hard wood pile 5m to 7m long without joint, 125mm average dia. for protection of bank slope including two coats of coal tar paint complete, as directed Note: Payment will be made as per actual driver length of pile.] 	1450.00	206.93	300048.50
10	013100	Supplying & laying of drainage composite for use behind abutments, wing walls, return walls and Retaining walls Geocomposite drain (Vertical) as per RDSO Specification No. RDSO/2018/GE:IRS 0006 latest version with all material, labour equipment, tools and plants, lead, lift etc. complete in all respects as per the direction of Engineer-in-Charge.		299.00	716.39	214200.61
		Earthwork in excavation by mechanical means (Hydraulic Excavator)/Manual Means fo foundations and floors of the bridges, retaining walls etc. including setting out, dressing of sides ramming of bottom, getting out the excavated material, back filling in layers with approved material and consolidation of the layers by ramming and watering etc. including all lift, disposal of surplus soil up to a lead of 300m, all types of shoring and strutting with all labour and material complete as per drawing and technical specification as directed by Engineer in charge. Note: This item will be used for excavation work in connection with other miscellaneous works also like side drains foundation for OHE masts and other miscellaneous structures in connection with Gauge Conversion Doubling, New lines.				
11	022011	All kinds of soils	cum	1367.00	210.90	288300.30
12	022012	Soft rock (not requiring blasting)	cum	20.00	439.13	8782.60
		Providing and laying in position Plain cemen concrete of specified Nominal Mix for miscellaneous works like side drains, foundation for OHE masts and other miscellaneous structures excluding the cost of Cement, centering and shuttering - All work up to plinth level:				
13	022032	1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	cum	164.00	2936.59	481600.76
14	022035	1:3:6 (1 Cement : 3 coarse sand (zone-III): 6 graded stone aggregate 40 mm nominal size).	cum	33.00	2944.12	97155.96
15	022040	Providing and laying in position machine batched machine mixed and machine vibrated Cemen Concrete of specified grade as per approved Design Mix (mixed in Mobile Concrete Batching/Mixing Plant at site or RMC from approved plants) using 20mm graded crushed stone aggregate and coarse sand of approved quality in RCC raft foundation & Pile cap including finishing using Plasticiser in approved proportions (as pe IS:9103), to modify workability without impairing strength and durability complete as pe specifications and direction of the Engineer in charge. Note: 1. Payment for cement reinforcement and shuttering shall be made extra under relevant item. 2. Plasticiser shall invariably be used in approved proportion to increase workability with minimum possible quantity of cement for all grade of Design Mix Concrete unless it is specifically approved citing reasons for not using plasticiser at the stage of Mix Design and in that case deduction shall be made as per relevant item.		813.00	2919.59	2373626.67

Page 5 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

		Dry/Wet Sinking of Circular Wells (Other than pneumatic method) in all types of strata except hard rock requiring blasting including bailing and pumping out water, removal of excavated soil with all labour and material required for sinking as per drawing and direction of the Engineer in charge, disposal of surplus soil in the adjoining bank/embankment.				
16	023041	From initial level of cutting edge & up to 3m depth	cum	347.00	179.45	62269.15
17	023042	Above 3m to 10m depth Providing and laying in position machine batched, machine mixed and machine vibrated Cement Concrete of specified grade as per approved Design Mix (Cast in-Situ) using 20mm graded crushed stone aggregate and coarse sand of approved quality in the following elements of well including finishing, using Plasticiser in approved proportions (as per IS:9103), to modify workability without impairing strength and durability complete as per drawings and technical specifications as directed by Engineer. Note: 1. Payment for cement, reinforcement and shuttering shall be made extra under relevant item. 2. Plasticiser shall invariably be used in approved proportion to increase workability		1029.00	289.99	298399.71
		with minimum possible quantity of cement for all grade of Design Mix Concrete unless it is specifically approved citing reasons at the stage of Mix Design and in that case deduction shall be made as per relevant item.				
19	023092	In Steining of wells In Bottom plug for wells including arrangements for placing concrete under water with tremie or bottom opening skips.		307.00	3211.55 3211.55	985945.85 105981.15
20	024010	Providing and casting machine batched, machine mixed and machine vibrated Cement Concrete of specified grade as per approved Design Mix, mixed in Mobile Concrete Batching/Mixing Plant at site or RMC from approved plants, (Cast in-Situ/Pre-cast) in bottom/top slab, side walls, toe wall and sumps haunch filling head walls, thrust bed or any other component using 20mm graded crushed stone aggregate and coarse sand of approved quality of RCC box of any size including finishing, Plasticiser in approved proportions (as per IS:9103), to modify workability without impairing strength and durability, complete as per drawings and technical specifications as directed by Engineer in charge. Note: 1. Payment for cement, reinforcement and shuttering shall be made extra under relevant item. 2. Plasticiser shall invariably be used in approved proportion to increase workability with minimum possible quantity of cement for all grade of Design Mix Concrete unless it is specifically approved citing reasons at the stage of Mix Design and in that case deduction shall be made as per relevant item.		15.00	3211.55	48173.25
21	025020	Providing and applying two coats of coal tar or bitumen confirming to IS:3117- latest version on the top and sides of RCC box/slabs @ 1.70 kg/sqm after cleaning the surface with all labour and materials complete job as directed by the Engineer.		414.00	178.84	74039.76
		Centering and shuttering including strutting, propping etc. and removal of form for :				

Page 6 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

					Total	18136054.80
1	025082	Thermo-Mechanically Treated bars of grade Fe-500D or more of approved brands/makes.	ĸg	169480.00	107.01	18136054.80
1	025082	Supply of steel reinforcement of approved brands/makes for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Thermo-Mechanically Treated bars of grade Fe-		169480 00	107.01	18136054 80
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
Item- 3	Schedule-A	A-3(Reinforcement steel)	•	1		
	023073	brands/makes	IVI I	55.00	Total	5246946.05
2	025071 025073	Ordinary Portland Cement 43 grade approved brands/makes Pozzolana Portland Cement approved		623.00 53.00	7801.51 7294.44	4860340.73 386605.32
		Supply and using Cement at Worksite		1		
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
Item- 2	Schedule-	A-2 (Cement)			Total	138198115.28
		12T capacity for misc. works of handling of material			Total	120100115 00
28	211202	minimum 1.10 cum bucket capacity Hydra or similar tyre mounted Pick-n-Carry crane of	Hour	50.00	964.49	48224.50
27	211201	JCB Backhoe Loaders 3DX Plus or similar with	Hour	100.00	864.02	86402.00
		Hiring of machinery for minor miscellaneous works for short duration including operator/driver, fuel, lubricants and consumable. The contractor shall arrange all statutory permits as required by rules and regulations prevailing in the area of work. Payment shall be made for actual working hours at site.				
26	052210	Providing cast in situ bridge number plaques as per Railway drawing in cement concrete 1:2:4 mix using 20mm hard stone aggregate embedded in 30mm notch in Bridge parapet coping duly engraving the letter and figures and an arrow indicating the direction of flow and finishing the top exposed surface with cement mortar 1:3, painting letters and figures with two coats of black enamel paint on two coats of white background with all labour, tools, cement, paint etc. with all leads and lifts.		6.00	869.26	5215.56
25	052150	Providing and laying of filter media consisting of granular materials of GW, GP, SW groups as per IS:1498 (latest) in required profile behind boulder filling of abutments, wing walls / return walls etc. above bed level with all labour and material complete job as per drawing and technical specification of RDSO Guidelines.		761.00	2577.00	
24	051080	Providing and laying Filter Material as per RDSO Specifications underneath pitching in slopes complete as per drawing and Technical Specification.		450.00	3082.74	1387233.00
23	051060	Providing and laying Pitching with Stone Boulders, weighing not less than 35kg each with voids filled with spalls on slopes, laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and Technical Specifications (filter media to be paid separately under the relevant item).		38.00	1855.12	70494.56
22	025031	All types of bridge sub-structures, e.g. pier, abutment, wing wall, retaining wall, RCC box type foundations, Abutment cap, Pier Cap, Inspection Platform & Pedestal over Pier cap, Fender wall, Diaphragm wall etc. up to 5m above ground level		5478.00	715.17	

Page 7 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

s c c la a	Description of Item Supplying, fabrication, assembling of all types of steel girders of specified spans with structural steel conforming to Quality "B0" Grade Designation E250 conforming to IS:2062, erection / slewing / end aunching of steel girders with cranes or any other		Qty	Rate	Amount
s c c la a	steel girders of specified spans with structural steel conforming to Quality "B0" Grade Designation E250 conforming to IS:2062, erection / slewing / end				
a III s e p F Ia c C H it p n (i	approved launching methods as per site conditions approved launching methods as per site conditions (not requiring traffic block) on sub-structure including provision of trolley refuges etc., complete as per approved QAP and drawings conforming to RS-B1-2001 and other relevant codes and specifications. Note: 1. Detailed fabrication and erection drawings & launching methodology will be prepared by the contractor and got approved from Railway. 2. The rate is all inclusive including aunching in position, complete in all respect except cost of (i) Painting / Metalising; (ii) Bearings & (iii) HSFG bolts which shall be paid extra under relevant tem. 3. The payment shall be made on the theoretical weight of main components and gusset plates only. 4. Payment Schedule: (i) Receipt of material at site: 40% (ii) Fabrication of girders: 20% (iii) Erection/Launching: 20% (iv) Completion in all respects: 20%				
1 041011 P	Plate Girder/Semi Through Girder/Composite Girder (Steel Work)	MT	55.00	138069.16	7593803.80
	Extra for using steel conforming to Grade Designation E350 instead of Grade Designation E250 of Quality "B0" as per IS: 2062	MT	55.00	4722.92	259760.60
le c	Supplying and fixing HSFG bolts of any dia and any ength with suitable nuts including DTI washers conforming to IRS-B1-2001 for bridges and steel structures with contractors labour, tools and plants and lead and lift etc., complete.		50.00	180.45	9022.50
b c n	Providing and fixing various size HTS holding down polts conforming to relevant Codes/Specification in concrete column or in other structures with proper nuts, bolts, washers/plates, grouting of holes with cement or epoxy concrete with all material, labour, T&P as a complete job.				
4 041071 V	With Cement Grout. Cost of cement shall be paid extra.	Kg	1432.00	171.42	245473.44
b trices of the control of the contr	Supplying fabricating and erecting welded and/or political problems and problems and framed work, staging, racks, Height Gauge etc. for Steel Structures other than bridge girders, using RSJ, tees, angles and channels/flats, plates, gussets, round or square bars, cleats, bolts etc., with contractors own steel including cutting, bending, straightening, drilling, riveting, hoisting, ixing, erecting, welding, bolting etc., with Providing stiffeners wherever required as per approved drawing including applying a priming coat of a approved steel primer with all contractor's materials, labour, tools & plants, lead & lift including crossing of tracks if required etc., complete as per specification and as directed by Engineer-in-charge. Note: The payment shall be made on the theoretical weight of main components and gusset plates only.		97.00	129631.69	12574273.93 20682334.27
Schedule Schedule R-0	CPWD DSR 2021 Items			ıotal	20682334.27
Item- 1 Chapter-2 Ea					
S No. Item No	Description of Item	Unit	Qty	Rate	Amount

Page 8 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

	1		T			
	2.0	EARTH WORK				
	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
1	2.8.1	All kinds of soil.	cum	20143	286.85	5778019.55
2	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.		2287	253.95	580783.65
3	2.25A	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.		585	368.65	215660.25
4	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.		359	2161.2	775870.8
	1				Total	7350334.25
Item- 2	<u> </u>	-Concrete work	1	- 1	1	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	4.0	CONCRETE WORK				
	4.1S 4.1	CEMENT CONCRETE (CAST IN SITU) Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:				
1	4.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)		56	7365.15	412448.4
2	4.1.5	1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)		107	6833.4	731173.8
3	4.1.6	1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources: 6 graded stone aggregate 40 mm nominal size derived from natural sources)		2291	6670.25	15281542.75
4	4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)		146	6326.05	923603.3
	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering,				
		shuttering and finishing:				
5	4.2.2			69	9793.75	675768.75
5	4.2.2	shuttering and finishing: 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural	cum	69 22	9793.75 9375.2	675768.75 206254.4
		shuttering and finishing: 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources). 1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20	cum			206254.4
	4.2.3	shuttering and finishing: 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources). 1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources) Centering and shuttering including strutting,	cum			

Page 9 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

	4.20	Providing and laying in position ready mixed or site batched design mix cement concrete for plain cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana/Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering and finishing as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the minimum specified cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.				
	4.20.1	All works upto plinth level :				
8	4.20.1.3	Concrete of M20 grade with minimum cement content of 270 kg /cum	cum	1554	8387.15	13033631.1
	ı	-	1		Total	36617471.16
Item- 3	Chapter-5	- Reinforced Cement Concrete				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
0.101	5.0	REINFORCED CEMENT CONCRETE	0	۵.,	11410	7
	5.1S	CAST IN SITU				
	5.1 5.1.2	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level: 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources: 3 graded stone	cum	138	8364.2	1154259.6
1		aggregate 20 mm nominal size derived from natural sources)				
2	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15 degree landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).		544	10719.3	5831299.2
	5.9S	FORM WORK				
	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
3	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	6697	307.95	2062341.15
4	5.9.3	Suspended floors, roofs, landings, balconies and access platform	·	2372	766.55	1818256.6
5	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	2118	608.35	1288485.3
6	5.9.7	Stairs, (excluding landings) except spiral-staircases	Sqm	235	657.75	154571.25
	5.11	Extra for additional height in centering, shuttering where ever required with adequate bracing, propping etc., including cost of de-shuttering and decentering at all levels, over a height of 3.5 m, for every additional height of 1 metre or part thereof (Plan area to be measured).				

Page 10 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

Size PRE-CAST RCC							
5.12 Providing, hoisting and fixing above plinth level up cum to floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like, including the cost of required certering, shuttering but, excluding cost of reinforcement with 1:1.5.3 (1 cement : 1.5 coarse sand/zone-III) derived from natural sources: 3 graded stone aggregate 20 mm nominal size derived from natural sources; 9 mm dia mild size the mild of manutarial sources; 1 coarse sand/zone-III) derived from natural sources; 1 coarse sand/zone-III) derived from matural sources; 1 coarse sand/zone-III) derived from a substance of mm dia mild steel wire, including centering and shuttering, roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete, excluding plastering of the jambs, sills and soffits. 5.228 STEEL REINFORCEMENT Siteel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. 10 5.22.6 Thermo-Mechanically Treated bars of grade Fe- Kg 466730 89.65 418423 straightening, cutting, bending, placing in position and binding all complete above pinth level. 11 5.22A6 Thermo-Mechanically Treated bars of grade Fe- Kg 61220 89.85 5486 5000 or more. 5.23C DESIGN MIX CONCRETE Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced coment concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland Portland S I a g c em en 1, admixtures in recommended proportions as por Its '91050 to accelerate' retard setting of concrete, to improve durability and workshilly without imprining strength; including pumping of concrete, to the following grades of concrete, Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the commend content in design mix shall be payable separately. In case th	7	5.11.1	_ · · · · · · · · · · · · · · · · · · ·	Sqm	1711	319.25	546236.75
to floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like, including the cost of required centering, shuttering but, excluding cost of reinforcement with 1:1.53 (1 cement: 1.5 coarse sand/zone-III) derived from natural sources: 3 graded stone aggregate 20 mm nominal size derived from natural sources. 3 graded stone aggregate 6mm nominal size derived from natural sources. 3 graded stone aggregate 6mm nominal size 1, reinforced with 1.6 mm dia mild steel wire, including centering and shuttering, roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete, excluding plastering of the jambs, sills and soffits. 9 5.18.1 50 mm thick Sqm 3 1580.9 47. 5.225 STEEL REINFORCEMENT Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. 10 5.22.6 Thermo-Mechanically Treated bars of grade Fe-Sg0 466730 89.85 418423 straightening, cutting, bending, placing in position and binding all complete above plinth level. 5.22A.6 Thermo-Mechanically Treated bars of grade Fe-Sg0 5000 or more. 5.23B.0 STEEL REINFORCEMENT 5.23C.6 Thermo-Mechanically Treated bars of grade Fe-Sg0 5000 or more. 5.23C.7 Thermo-Mechanically Treated bars of grade Fe-Sg0 61220 89.65 5486 61220 straightening, cutting, bending, placing in position and binding all complete subove plinth level. 11 5.22A.6 Thermo-Mechanically Treated bars of grade Fe-Sg0 61220 89.65 5486 61220 straightening, cutting, bending, placing in position and binding all complete work; using coarse aggregate and fine aggregate derived from antural sources, Portland Pozzolana / Ordinary Portland /Portland S I a g cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durating burner, for the following grades of concrete to site of laying, curing, carriage for all leads, but excluding the cost of cemerang,		5.12S	PRE-CAST RCC				
cement: 2 coarse sand(zone-III): 4 graded stone aggregate 6mm nominal size), reinforced with 1.6 mm dia mild steel wire, including centering and shuttering, roughening cleaning, fixing and finishing in cement mortar 1.3 (1 cement: 3 fine sand) etc. complete, excluding plastering of the jambs, sills and soffits. 9	8	5.12	to floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like, including the cost of required centering, shuttering but, excluding cost of reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources: 3 graded stone aggregate 20 mm nominal size derived from natural		2689	9673.5	26012041.5
5.22S STEEL REINFORCEMENT Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. 10 5.22.6 Thermo-Mechanically Treated bars of grade Fe-S00D or more. Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. 11 5.22A.6 Thermo-Mechanically Treated bars of grade Fe-Kg 61220 89.65 5488 500D or more. 5.33S DESIGN MIX CONCRETE Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland / Portland S I a g c em en 1, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. 5.33.1 All works above plinth level upto floor V level 5.33.2.1 Concrete of M25 grade with minimum cement cum 62 10306.2 6389.		5.18	cement: 2 coarse sand(zone-III): 4 graded stone aggregate 6mm nominal size), reinforced with 1.6 mm dia mild steel wire, including centering and shuttering, roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete, excluding plastering of the jambs, sills				
Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. 10 5.22.6 Thermo-Mechanically Treated bars of grade Fe- Kg 466730 89.65 418423. Straightening, cutting, bending, placing in position and binding all complete above plinth level. 11 5.22A.6 Thermo-Mechanically Treated bars of grade Fe- Kg 500D or more. 5.33S DESIGN MIX CONCRETE Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland / Portland S I a g c e m e n t, admixtures in recommended proportions as per IS: 9103 to accelerate / relatd setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix hall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. 5.33.1 All works upto plinth level 12 5.33.1.1 Concrete of M25 grade with minimum cement cum 5.33.2.1 All works above plinth level upto floor V level 5.33.2.1 Concrete of M25 grade with minimum cement cum 62 10306.2 6389.	9	5.18.1	50 mm thick	Sqm	3	1580.9	4742.7
5.22 straightening, cutting, bending, placing in position and binding all complete upto plinth level.		5.22S	STEEL REINFORCEMENT				
Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.		5.22	straightening, cutting, bending, placing in position				
5.22A straightening, cutting, bending, placing in position and binding all complete above plinth level. 11 5.22A.6 Thermo-Mechanically Treated bars of grade Fe- Kg 61220 89.65 5488 5.33S DESIGN MIX CONCRETE	10	5.22.6	•	Kg	466730	89.65	41842344.5
5.33S DESIGN MIX CONCRETE Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland S I a g cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix shall be payable separately. In case the cement content in design mix or bear the cost of extra cement. 5.33.1 All works upto plinth level 12 5.33.1.1 Concrete of M25 grade with minimum cement cum 5.33.2 All works above plinth level upto floor V level 13 5.33.2.1 Concrete of M25 grade with minimum cement cum 62 10306.2 6389: Total 10136993:		5.22A	straightening, cutting, bending, placing in position				
Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland S I a g c e m e n t, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. 5.33.1 All works upto plinth level Concrete of M25 grade with minimum cement cum 1673 8683.8 145279; content of 330 kg /cum 5.33.2. All works above plinth level upto floor V level 5.33.1.1 Concrete of M25 grade with minimum cement cum 62 10306.2 6389; content of 330 kg /cum Total 10136993:	11	5.22A.6	•	Kg	61220	89.65	5488373
batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland S I a g cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. 5.33.1 All works upto plinth level 5.33.1.1 Concrete of M25 grade with minimum cement cum 5.33.2 All works above plinth level upto floor V level 5.33.2.1 Concrete of M25 grade with minimum cement cum 62 10306.2 6389: Total 10136993:		5.33S	DESIGN MIX CONCRETE				
5.33.1 All works upto plinth level 12 5.33.1.1 Concrete of M25 grade with minimum cement cum 1673 8683.8 1452799 5.33.2 All works above plinth level upto floor V level 13 5.33.2.1 Concrete of M25 grade with minimum cement cum 62 10306.2 63899 Total 10136993		5.33	batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland S I a g c e m e n t, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design				
12		5.33.1		 			
13	12		Concrete of M25 grade with minimum cement	cum	1673	8683.8	14527997.4
Total 10136993		5.33.2					
	13	5.33.2.1	•	cum	62	10306.2	638984.4
Item- 4 Chapter-6- Masonry works						Total	101369933.35
<u> </u>	Item- 4	Chapter-6	S- Masonry works				

Page 11 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	6.0	MASONRY WORK		,		
	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
1	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	3389	6658.25	22564809.25
	6.4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
2	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	1976	8288.35	16377779.6
	T				Total	38942588.85
Item- 5	· ·	Stone work	1	T	1	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	7.0	STONE WORK				
	7.38	Stone tile work for wall lining upto 10 m height with special adhesive over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand), including pointing in white cement with an admixture of pigment to match the stone shade.				
	7.38.1	8mm thick (mirror polished and machine cut edge)				
1	7.38.1.1	Granite stone of any colour and shade	Sqm	76	2675.7	203353.2
	r				Total	203353.20
Item- 6	Chapter-8-	Cladding work	_			
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	8.0	CLADDING WORK				
		cut) of thickness 18 mm for wall lining (veneer work), backing filled with a grout of average 12 mm				
	8.1	thick in cement mortar 1:3 (1 cement : 3 coarse sand), including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the marble shade (To be secured to the backing by means of cramps, which shall be paid for separately).				
	8.1.1	sand), including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the marble shade				
1		sand), including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the marble shade (To be secured to the backing by means of cramps, which shall be paid for separately). Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble. Area of slab over 0.50 sqm		47	4998.1	234910.7
1	8.1.1	sand), including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the marble shade (To be secured to the backing by means of cramps, which shall be paid for separately). Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble.	Sqm	47	4998.1	234910.7
1	8.1.1 8.1.1.2 8.2	sand), including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the marble shade (To be secured to the backing by means of cramps, which shall be paid for separately). Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble. Area of slab over 0.50 sqm Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels. Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble	Sqm	47		
1	8.1.1 8.1.1.2 8.2	sand), including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the marble shade (To be secured to the backing by means of cramps, which shall be paid for separately). Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble. Area of slab over 0.50 sqm Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels. Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble Area of slab over 0.50 sqm	Sqm	47	4998.1 2639.45	234910.7
	8.1.1 8.1.1.2 8.2	sand), including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the marble shade (To be secured to the backing by means of cramps, which shall be paid for separately). Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble. Area of slab over 0.50 sqm Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels. Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble	Sqm			
	8.1.1 8.1.1.2 8.2 8.2.1 8.2.1.2	sand), including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the marble shade (To be secured to the backing by means of cramps, which shall be paid for separately). Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble. Area of slab over 0.50 sqm Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels. Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble Area of slab over 0.50 sqm Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-	Sqm			

Page 12 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

5	8.5	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.		33	808.15	26668.95
	8.20S	STONE WORK DRY CLADDING		•		
6	8.31	Providing and fixing Ist quality ceramic glazed wall 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.		561	1063.45	596595.45
					Total	1034161.40
Item- 7	Chapter-9-	Wood and PVC work	1	1	-	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	9.0	WOOD AND P.V.C. WORK				
	9.1S	FRAMES AND TRUSSES				
	9.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).				
1	9.1.1	Second class teak wood	cum	10	131576.95	1315769.5
	9.16	Providing and fixing 25 mm thick shutters for cup board etc. :				
	9.18	Providing and fixing Pre-laminated flat pressed 3 layer (medium density) particle board or graded wood particle board IS: 3087 marked, with one side decorative and other side balancing lamination Grade I, Type II exterior grade IS: 12823 marked, in shelves with screws and fittings wherever required, edges to be painted with polyurethane primer (fittings to be paid separately).				
2	9.18.1	18 mm thick	Sqm	37	1089.3	40304.1
3	9.18.2	25 mm thick	Sqm	359	1501	538859
	9.21	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
4	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	268	2015.75	540221
5	9.21.2	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	48	1881.95	90333.6
6	9.21.3	25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws		126	1830	230580
7	9.23	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).		205	401.4	82287

Page 13 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

		T				,
	9.24	Extra for providing vision panel not exceeding 0.1 sqm in all type of flush doors (cost of glass excluded) (overall area of door shutter to be measured):				
8	9.24.2	Circular	Sqm	17	180.6	3070.2
	9.27	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws:				
	9.27.1	35 mm thick shutters				
	9.27.1.1	with ISI marked M.S. pressed butt hinges bright finished of required size				
9	9.27.1.1.1	Second class teak wood	Sqm	35	4342.3	151980.5
	9.40S	MISCELLANEOUS-WOOD WORK				
	9.47	Providing and fixing nickel plated M.S. pipe curtain rods with nickel plated brackets:				
10	9.47.1	20 mm dia (heavy type)	Metre	219	152.65	33430.35
	9.48	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.				
11	9.48.1	Fixed to steel windows by welding	Kg	1110	181	200910
	9.57S	COPER OXIDISED MILD STEEL FITTINGS (COPPER OXIDISED AS PER IS: 1378)				
	9.62	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete: (copper oxidized as per IS: 1378)				
12	9.62.1	300x16 mm	Each	35	180.55	6319.25
13	9.62.2	250x16 mm	Each	106	165.9	17585.4
	9.63	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete: (copper oxized as per IS: 1378)				
14	9.63.1	250x10 mm	Each	26	74.65	1940.9
15	9.63.2	200x10 mm	Each	102	61.05	6227.1
16	9.63.4	100x10 mm	Each	129	39.1	5043.9
	9.66	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete: (copper oxized as per IS: 1378)				
17	9.66.1	125 mm	Each	51	35.2	1795.2
18	9.66.2	100 mm	Each	202	28.25	5706.5
19	9.66.3	75 mm	Each	98	24.25	2376.5
	9.88S	CHROMIUM PLATED BRASS FITTINGS				
	9.90	Providing and fixing special quality chromium plated brass cupboard locks with six levers of approved quality including necessary screws etc. complete.				
20	9.90.3	Size 65 mm	Each	17	321.1	5458.7
	9.95S	ANODISED ALUMINIUM FITTINGS (ALL FITTINGS SHALL BE ISI MARKED)			•	
	9.96	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:				
21	9.96.1	300x16 mm	Each	21	260.3	5466.3

Page 14 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

	9.97	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:				
22	9.97.1	300x10 mm	Each	14	117.65	1647.1
	9.100	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:				
23	9.100.1	125 mm	Each	28	60.05	1681.4
	9.101	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.				
24	9.101.1	Single rubber stopper	Each	116	35.5	4118
25	9.101.2	Twin rubber stopper	Each	14	62.25	871.5
					Total	3293983.00
Item- 8	Chapter-10	0 - Steel work				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	10.0	STEEL WORK				
1	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.		3670	111.95	410856.5
2	10.4	Providing and fixing 1 mm thick M.S. sheet sliding-shutters, with frame and diagonal braces of 40x40x6 mm angle iron, 3 mm M.S. gusset plates at the junctions and corners, 25 mm dia pulley, 40x40x6 mm angle and T- iron guide at the top and bottom respectively, including applying a priming coat of approved steel primer		98	5374.35	526686.3
	10.5	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.				
3	10.5.1	Using M.S. angels 40x40x6 mm for diagonal braces	Sqm	48	4781.15	229495.2
	10.11	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side /top /centre hung, with beading and all members such as F7D,F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment).				
4	10.11.1	Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)		3696	175.65	649202.4

Page 15 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

	10.14	Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm, pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strikeplate and shock absorbers as specified and applying a coat of approved steel primer after pretreatment of the surface as directed by Engineer-incharge:				
	10.14.1	Profile B				
5	10.14.1.1	Fixing with adjustable lugs with split end tail to each jamb	Metre	333	444.5	148018.5
	10.14.2	Profile C				
6	10.14.2.1	Fixing with adjustable lugs with split end tail to each jamb	Metre	130	471.25	61262.5
	10.16	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.				
7	10.16.3	Electric resistance or induction butt welded tubes	Kg	10000	140.85	1408500
8	10.17	Providing and fixing M.S. fan clamp type I or II of 16 mm dia M.S. bar, bent to shape with hooked ends in R.C.C. slabs or beams during laying, including painting the exposed portion of loop, all as per standard design complete.		81	185.95	15061.95
9	10.19	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.	Kg	365	88.5	32302.5
	10.25	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
10	10.25.1	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete		1620	102.25	165645
11	10.25.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	Kg	7860	142.3	1118478
	10.26	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.				
12	10.26.1	M.S. tube	Kg	446	157.15	70088.9
13	10.28	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-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).		200	612.25	122450

Page 16 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

1	1					
	10.29	Providing & fixing fly proof wire gauge to windows, clerestory windows & doors with M.S. Flat 15x3 mm and nuts & bolts complete.				
14	10.29.1	Galvanised M.S. Wire gauge with 0.63 mm dia wire and 1.4 mm aperture on both sides	Sqm	234	732.2	171334.8
	10.30	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with:				
15	10.30.2	5.5 mm thick glass panes (weight not less than 12.50 kg/sqm)	Sqm	266	1243.5	330771
					Total	5460153.55
Item- 9	Chapter-1	1- Flooring	1	1	1	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	11.0	FLOORING			1	
1	11.2	Dry brick on edge flooring in required pattern with bricks of class designation 7.5 on a bed of 12 mm mud mortar, including filling joints with local sand, with common burnt clay non modular bricks.		150	733.3	109995
	11.3	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.				
2	11.3.1	40 mm thick with 20 mm nominal size stone aggregate	Sqm	1046	545	570070
	11.16S	TILE FLOORING				
	11.20	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).				
3	11.20.2	Medium shade pigment using 50% white cement 50% Grey cement	Sqm	2739	1160	3177240
	11.21	Providing and fixing 10 mm thick acid and/or alkali resistant tiles of approved make and colour using acid and/or alkali resisting mortar bedding, and joints filled with acid and/or alkali resisting cement as per IS: 4457, complete as per the direction of Engineer-in- Charge.				
	11.21.1	In flooring on a bed of 10 mm thick mortar 1:4 (1 acid proof cement : 4 coarse sand)				
4	11.21.1.1	Acid and alkali resistant tile	Sqm	120	1515.45	181854
	11.26S	KOTA STONE FLOORING				
	11.26	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1:4 (1 cement: 4 coarse sand):				
5	11.26.1	25 mm thick	Sqm	818	1706.6	1395998.8
6	11.27	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	·	114	2038.55	232394.7
	11.28S	SAND STONE FLOORING			_	
7	11.31	Extra for pre finished nosing in treads of steps of Kota stone/ sand stone slab.	Metre	204	157.35	32099.4
	11.37S	CERAMIC GLAZED TILES				

Page 17 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

8	11.37	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS: 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.		1363	935.6	1275222.8
9	11.37A	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 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.		87	938.5	81649.5
	11.41S	VITRIFIED FLOOR TILES Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only. Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.				
	11.41A.3	Glazed Vitrified tiles Matt/Antiskid finish of size				
10	11.41A.3.1	Size of Tile 600 x 600 mm	Sqm	1052	1311.05	1379224.6
	11.56	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.				
11	11.56.1	Polished Granite stone slab colour of Black, Cherry/Ruby Red or equivalent	Sqm	11	3908.8	42996.8
	T				Total	8478745.60
Item- 10	Chapter-12				.	A
S No.	Item No	Description of Item ROOFING	Unit	Qty	Rate	Amount
-	12.0 12.1S	SHEET ROOFING				
	12.15	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with				
		cement mortar 1:3 (1 cement : 3 fine sand) as per standard design : In 75x75 mm deep chase	Metre	1615	260.2	420223

Page 18 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

2	12.22	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1		222	266.6	59185.2
		cement: 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.				
	12.40	Providing, fixing and embedding sand cast iron accessories for rain water pipes in the masonry surrounded with 12 mm thick cement mortar of the same mix, as that of masonry (lead caulking will be paid for separately):				
	12.41	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS: 13592 Type A, including jointing with seal ring conforming to IS: 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
3	12.41.2	110 mm diameter	Metre	187	319.75	59793.25
	12.42	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS: 13592 Type A, including jointing with seal ring conforming to IS: 5382, leaving 10 mm gap for thermal expansion.				
	12.42.1	Coupler				
4	12.42.1.2	110 mm	Each	43	119.95	5157.85
	12.42.4	Single tee without door				
5	12.42.4.2	110x110x110 mm	Each	17	190.75	3242.75
	12.42.5	Bend 87.5 degrees				
6	12.42.5.2	110 mm bend	Each	26	132	3432
	12.42.6	Shoe (Plain)				
7	12.42.6.2	110 mm Shoe	Each	26	115.95	3014.7
	12.43	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.				
8	12.43.2	110 mm	Each	33	309.5	10213.5
9	12.44	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.		17	47.9	814.3
10	12.50	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.		1592	671.55	1069107.6

Page 19 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

ı	1	T	I			
		Providing and fixing precoated galvanised steel				
		sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm				
	12.51	as per IS: 277, in 240 mpa steel grade, 5-7 microns				
		epoxy primer on both side of the sheet and				
		polyester top coat 15-18 microns using self drilling/				
		self tapping screws complete :		1	T T	
11	12.51.1	Ridges plain (500 - 600mm)	Metre	35		15771
12	12.51.6	Gutter (600 mm over all girth)	Metre	32		35539.2
					Total	1685494.35
Item- 11	Chapter-13	3- Finishing /exterior finishing				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	13.0	FINISHING				
	13.1S	CEMENT PLASTER (IN FINE SAND)				
	13.1	12 mm cement plaster of mix :				
1	13.1.1	1:4 (1 cement: 4 fine sand)	Sqm	8386	294.85	2472612.1
	13.3	20 mm cement plaster of mix :		•		
2	13.3.1	1:4 (1 cement: 4 fine sand)	Sqm	5881	402.15	2365044.15
	13.16S	6MM CEMENT PLASTER		I	1	
	13.16	6 mm cement plaster of mix :				
3	13.16.1	1:3 (1 cement : 3 fine sand)	Sqm	1075	253.05	272028.75
	13.25	Extra for plastering:				
	13.26	Providing and applying plaster of paris putty of 2	Sam	5542	214.3	1187650.6
4	10.20	mm thickness over plastered surface to prepare the		00.12	211.0	1107000.0
		surface even and smooth complete.				
		Distempering with oil bound washable distemper of				
	13.41	approved brand and manufacture to give an even				
		shade:	_	ı	T T	
5	13.41.1	New work (two or more coats) over and including	Sqm	5925	162.55	963108.75
	10.440	water thinnable priming coat with cement primer EXTERIOR FINISHING				
	13.44S					
	13.44	Finishing walls with water proofing cement paint of required shade:				
	13.44.1	New work (Two or more coats applied @ 3.84 kg/10	Sam	4170	97.6	406992
6	10.44.1	sqm)	Oqiii	4170	37.0	+0033Z
		Finishing with Deluxe Multi surface paint system for		I .		
	13.48	interiors and exteriors using Primer as per				
		manufacturers specifications :		1	T	
	13.48.2	Painting wood work with Deluxe Multi Surface Paint		428	144.9	62017.2
7		of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer				
,		applied @0.75 ltr/10 sqm of approved brand and				
		manufacture				
	13.48.3	Painting Steel work with Deluxe Multi Surface Paint	Sqm	365	140.05	51118.25
		to give an even shade. Two or more coat applied @				
8		0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/10 sqm of approved brand and				
		manufacture				
	13.50	Applying priming coat:			<u> </u>	
	13.50.3	With ready mixed red oxide zinc chromate primer of	Sam	8506	55.5	472083
9	10.00.0	approved brand and manufacture on steel		0000	00.0	472000
		galvanised iron/ steel works				
		Finishing with Epoxy paint (two or more coats) at all				
	13.52	locations prepared and applied as per				
		manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.				
10	13.52.2	On concrete work	Sam	4320	198.4	857088
10	10.02.2	Painting with synthetic enamel paint of approved	Sqm	4320	190.4	007000
	13.61	brand and manufacture to give an even shade:				
·	<u> </u>					

Page 20 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

11	13.61.1	Two or more coats on new work	Sqm	70	131.45	9201.5
	13.63	Painting with aluminium paint of approved brand and manufacture to give an even shade.				
12	13.63.1	Two or more coats on new work	Sqm	4000	121.45	485800
13	13.80	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.		504	123.85	62420.4
			•		Total	9667164.70
Item- 12	Chapter-15	i- Demolishing				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	15.0	DISMANTLING AND DEMOLISHING			.	
	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
1	15.2.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	cum	385	2007.1	772733.5
	15.7	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
2	15.7.4	In cement mortar	cum	144	1698.45	244576.8
3	15.19	Dismantling steel work manually/ by mechanical means in built up sections without dismembering and stacking within 50 metres lead as per direction of Engineer-in-charge.		2560	3.2	8192
4	15.58	Demolishing R.C.C. work by mechanical means and stockpiling at designated locations and disposal of dismantled materials up to a lead of 1 kilometre, stacking serviceable and unserviceable material separately including cutting reinforcement bars.		619	2328.55	1441372.45
					Total	2466874.75
Item- 13	Chapter-16	s- Road work/ Roads				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	16.0	ROAD WORK				
	16.1S					
1		ROADS				
	16.1	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 earthwith lead upto 50 metres.	·	16200	180.5	2924100
	16.1	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 earthwith lead upto 50 metres. Supplying and stacking at site.	·	16200	180.5	2924100
2	16.3 16.3.1	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 earthwith lead upto 50 metres.	·	1332	1937.6	2580883.2
2	16.3 16.3.1 16.3.2	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 earthwith lead upto 50 metres. Supplying and stacking at site. 90 mm to 45 mm size stone aggregate 63 mm to 45 mm size stone aggregate			1937.6 1624.5	2580883.2 3250624.5
2 3 4	16.3 16.3.1 16.3.2 16.3.10	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 earthwith lead upto 50 metres. Supplying and stacking at site. 90 mm to 45 mm size stone aggregate 63 mm to 45 mm size stone aggregate Moorum	cum cum cum	1332 2001 10	1937.6 1624.5 888.3	2580883.2 3250624.5 8883
2 3 4	16.3 16.3.1 16.3.2	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 earthwith lead upto 50 metres. Supplying and stacking at site. 90 mm to 45 mm size stone aggregate 63 mm to 45 mm size stone aggregate	cum cum cum	1332	1937.6 1624.5	2580883.2 3250624.5 8883
2 3 4	16.3 16.3.1 16.3.2 16.3.10	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 earthwith lead upto 50 metres. Supplying and stacking at site. 90 mm to 45 mm size stone aggregate 63 mm to 45 mm size stone aggregate Moorum Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road/vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate,	cum cum cum	1332 2001 10	1937.6 1624.5 888.3	2580883.2 3250624.5

Page 21 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

	16 159	FENCING				
7	16.15S 16.20	FENCING Welded steel wire fabric fencing with posts of specified material and of standard design placed and embedded in cement concrete blocks 45x45x 60 cm of mix 1:5:10 (1 cement:5 fine sand : 10 graded stone aggregate 40 mm nominal size), every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and struts embedded in cement concrete blocks 70x45x50 cm of the same mix, provided with welded steel wire fabric fixed between the posts fitted and fixed with G.I. staples on wooden plugs or tied to 6 mm bar nibs with G.I. binding wire (cost of posts, welded steel wire fabric, painting, earth work in excavation and concrete to be paid for separately).		16200	55	891000
	16.25S	SURFACE DRESSING				
	16.28	Surface dressing one coat on new surface with bitumen of specified grade at a rate of 1.95 kg/sqm of surface area with 1.5 cum of stone chippings 13.2 mm nominal size per 100 sqm of road surface, including consolidation with road roller of 6 to 8 tonne capacity, etc. complete:				
8	16.28.1	Using bitumen emulsion (minimum 50% bitumen content- RS grade conforming to IS: 8887)	Sqm	16200	169.8	2750760
	16.31	Providing and applying tack coat using bitumen emulsion conforming to IS:8887, using emulsion pressure distributer including preparing the surface & cleaning with mechanical broom.				
	16.31.1	With rapid setting bitumen emulsion				
9	16.31.1.1	On W.B.M / W.M.M. @ 0.4kg/sqm	Sqm	16200	11.6	187920
10	16.31.1.2	On bituminous surface @ 0.25kg/sqm	Sqm	16200	7.9	127980
		2.5 cm premix carpet surfacing with 2.25 cum and 1.12 cum of stone chippings of 13.2 mm and 11.2 mm size respectively per 100 sqm and 52 kg and				
	16.33	56 kg of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively, including a tack coat with hot straight run bitumen, including consolidation with road roller of 6 to 9 tonne capacity etc. complete (tack coat to be paid for separately).				
11	16.33	13.2 mm and 11.2 mm size respectively, including a tack coat with hot straight run bitumen, including consolidation with road roller of 6 to 9 tonne capacity etc. complete (tack coat to be paid for separately). With paving Asphalt grade VG - 10 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt	Sqm	16200	227	3677400
11		13.2 mm and 11.2 mm size respectively, including a tack coat with hot straight run bitumen, including consolidation with road roller of 6 to 9 tonne capacity etc. complete (tack coat to be paid for separately). With paving Asphalt grade VG - 10 heated and then mixed with solvent at the rate of 70 grams per kg of	Sqm	16200	227	3677400
11	16.33.1	13.2 mm and 11.2 mm size respectively, including a tack coat with hot straight run bitumen, including consolidation with road roller of 6 to 9 tonne capacity etc. complete (tack coat to be paid for separately). With paving Asphalt grade VG - 10 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt 2.5 cm thick bitumastic sheet with hot bitumen of approved quality, using stone chippings (60% with 12.5 mm nominal size and 40% with 10 mm nominal size) @ 1.65 cum per 100 sqm and coarse sand @ 1.65 cum per 100 sqm of road surface and with bitumen @ 56 kg/cum of stone chippings and @ 128 kg/cum of sand over a tack coat with hot straight run bitumen, including consolidation with road roller of 8 to 10 tonne etc. complete. (tack coat	Sqm	16200	227	3677400 4617000

Page 22 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

13	16.40	Providing and laying seal coat of premixed fine aggregate (passing 2.36 mm and retained on 180 micron sieve) with bitumen using 128 kg of bitumen of grade VG - 10 bitumen per cum of fine aggregate and 0.60 cum of fine aggregate per 100 sqm of road surface, including rolling and finishing with road roller all complete.		16200	79.85	1293570
	16.42S	CONCRETE PAVEMENTS				
14	16.42	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete.		1180	7399.2	8731056
	16.43	Providing and laying design mix cement concrete of M-30 grade, in roads/ taxi tracks/ runways, using cement content as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in appropriate proportions as per approved & specified design criteria, providing dowel bars with sleeve/ tie bars wherever required, laying at site, spreading and compacting mechanically by using needle and surface vibrators, levelling to required slope/ camber, finishing with required texture, including steel form work with sturdy M.S. channel sections, curing, making provision for contraction/ expansion, construction & longitudinal joints (10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants, complete all as per direction of Engineer-in-charge (Item of joint fillers, sealants, dowel bars with sleeve/ tie bars to be paid separately).				
15	16.43.1	Cement concrete prepared with batch mixing machine	cum	108	9492.9	1025233.2
	16.46	Providing and filling in position rubberized bitumen hot sealing compound for sealing of expansion joints in roads / pavements all complete as per direction of the Engineer-in-Charge.				
16	16.46.1	Using grade 'A' sealing compound conforming to IS: 1834.	per cm depth per cm width per metre length	5000	7.5	37500
	16.49S	MISCELLANEOUS				
17	16.62	Providing and applying 2.5 mm thick road marking strips (retro- reflective) of specified shade/ colour using hot thermoplastic material by fully/ semi automatic thermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface of all dirt, seals, oil, grease and foreign material etc. complete as per direction of Engineer-in-charge and accordance with applicable specifications.		810	623.8	505278

Page 23 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

18	16.69	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).		18	8613.55	155043.9
19	16.75	Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator, vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-in-charge. (The panel shuttering work shall be paid for separately). (Note:-Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/ recoverable separately).		1397	8277.55	11563737.35
	16.91	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge.				
20	16.91.2	80 mm thick C.C. paver block of M-30 grade with approved color design and pattern.	Sqm	1360	1011.2	1375232
		approved delet deeligh and pattern.			Total	48942938.35
Item- 14	Chapter-17	'- Sanitary Installations				
S No.		The state of the s				
	Item No	Description of Item	Unit	Qty	Rate	Amount
	17.0	Description of Item SANITARY INSTALLATIONS	Unit	Qty	Rate	Amount
		'		Qty	Rate	Amount
1	17.0	SANITARY INSTALLATIONS Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS: 7231, with all fittings and fixtures complete, including cutting and making good the walls and		Qty 40		Amount 231254
1	17.0	SANITARY INSTALLATIONS Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS: 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required: White Vitreous china Orissa pattern W.C. pan of	Each			

Page 24 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

Item- 15	<u> </u>	Description of Item			-	
110 00 15	Chapter-18	3-Water Supply				
11	0	2.11.			Total	468176.10
	<u> </u>	weighing not less than 190 gms.			Total	/60176 4·
14		width 78 mm and effective height of 88 mm,				
	17.73.2	600 mm long towel rail with total length of 645 mm,	Each	17	600.35	10205.9
	17.73	brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.				
		Providing and fixing PTMT towel rail complete with				
		fittings arrangement of approved quality and colour, weighing not less than 88 gms.				
13		distances of 37 mm from wall face with concealed				
	17.72	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum	Each	19	204.7	3889.
		same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.				
12		from wall of standard shape with bracket of the				
	17.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance		19	146.3	2779.
		washers complete.				
11		complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and				
	17.31	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality)		24	1411.15	33867.
	17.31	for gully trap.	Each	0.4	1/11 15	22227
10	17.29	Providing and fixing 100 mm sand cast Iron grating		65	45.25	2941.2
9	17.28.2.1	32 mm dia	Each	29	104.35	3026.1
	17.28.2	Flexible pipe				
	17.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
		respectively.				
8		wall corner type lipped front urinal basin of 430x260x350 mm or 340x410x265 mm sizes				
	17.23	Providing and fixing white vitreous china flat back or		3	1382.3	4146.
7	17.10.2.2	610x460 mm bowl depth 200 mm	Each	17	3337.85	56743.4
	17.10.2	Kitchen sink without drain board				
	17.10	kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required:				
		the reception of pipes and fittings. Providing and fixing Stainless Steel A ISI 304 (18/8)				
6	17.8	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for		17	1500.05	25500.8
5		fittings and brackets, cutting and making good the walls wherever required. White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm PTMT pillar cock.				
	17.7B	Providing and fixing wash basin with C.I. brackets, 15 mm PTMT pillar cock, 32 mm PTMT waste coupling of standard pattern, including painting of		3	1404	421
4	17.7.4	White Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap		4	1679.6	6718.
3		with a pair of 15 mm C.P. brass pillar taps				
	17.7.1	fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 630x450 mm		34	2275	7735
	17.7	15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of				
		Providing and fixing wash basin with C.I. brackets,				

Page 25 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

			•			
	18.0	WATER SUPPLY				
	18.7S	C.P.V.C. PIPES				
	18.7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & colo water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing or pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction or Engineer in ChargeInternal work - Exposed or wall	f t			
1	18.7.1	15 mm nominal dia Pipes	Metre	285	255.9	72931.5
2	18.7.2	20 mm nominal dia Pipes	Metre	42	325.1	13654.2
	18.9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & colo water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement trenching, refilling & testing of joints complete as per direction of Engineer in ChargeExternal work	1			
3	18.9.1	15 mm nominal dia Pipes	Metre	132	221.35	29218.2
4	18.9.3	25 mm nominal dia Pipes	Metre	496	370.65	183842.4
5	18.9.4	32 mm nominal dia Pipes	Metre	28	435.05	12181.4
6	18.9.6	50 mm nominal dia Pipes	Metre	702	811.85	569918.7
	18.15S	BRASS FITTINGS				
	18.16	Providing and fixing brass stop cock of approved quality:				
7	18.16.2	20 mm nominal bore	Each	17	327.95	5575.15
	18.17	Providing and fixing gun metal gate valve with C.I wheel of approved quality (screwed end):				
8	18.17.1	25 mm nominal bore	Each	9	532.35	4791.15
	18.21	Providing and fixing uplasticised PVC connection pipe with brass unions :				
	18.22	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet:		<u> </u>		
9	18.22.1	100 mm diameter	Each	17	166.35	2827.95
	18.31S	C.I. SLUICE VALVES/ FIRE HYDRANTS 8 FIXTURES				
10	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS: 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.		18000	9.7	174600
	18.49S	C.P. BRASS FITTINGS				
	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931:	f			
11	18.49.1	15 mm nominal bore	Each	19	434.2	8249.8
	18.50	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.				
12	18.50.1	15 mm nominal bore	Each	17	715.05	12155.85
	18.52	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.		1	1	
13	18.52.1	15 mm nominal bore	Each	17	594.75	10110.75
	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931			1	
14	18.53.1	15mm nominal bore	Each	81	500.35	40528.35
	1	<u> </u>	1	1		

Page 26 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

	21.0	ALUMINIUM WORK			·	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
Item- 17	Chapter-21	- Aluminium work		,		
					Total	2074627.75
5	19.36.2	600 mm dia RCC pipes.	Metre	60		211191
	19.36	Providing and laying Non Pressure NP-4 class (Heavy duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete			0540.05	044404
	19.31	Extra for depth beyond 45 cm of brick masonry chamber :				
4	19.6.11	1000 mm dia. R.C.C. pipe	Metre	300	5007	1502100
3	19.6.1	100 mm dia. R.C.C. pipe	Metre	103	447.25	46066.75
	19.6	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :				
	19.4	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design:				
2	19.2.1	100 mm diameter S.W. pipe	Metre	248	895.5	222084
	19.2	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design :				
1	19.1.1	100 mm diameter	Metre	248	375.75	93186
	19.1	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :				
	19.1S	STONE WARE PIPES AND FITTINGS				
	19.0	DRAINAGE		•	•	
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
Item- 16	Chapter-19)- Drainage/stone ware pipes and fittings			Total	1143286.00
15	18.57.1	15 mm nominal bore, 98 mm long, weighing not less than 75 gms	Each	28	96.45	2700.6
	18.57	Providing and fixing PTMT, push cock of approved quality and colour.				
	18.54S	PTMT FITTINGS				

Page 27 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

	21.1	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, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately): For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and				
	21.1.2	making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
1	21.1.2.1	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)		52	531.8	27653.6
					Total	27653.60
Item- 18	Chapter-22	2- Water proofing				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	22.0	WATER PROOFING				
	22.14	Grading roof for water proofing treatment with				
1	22.14.1	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	cum	114	7510.75	856225.5
		,			Total	856225.50
Item- 19	Chapter-23	B- Rain water Harvesting & Tubewells				
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	23.0	RAIN WATER HARVESTING & TUBEWELLS		,		
	23.1	Boring/drilling bore well of required dia for casing/strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge, upto 90 metre depth below ground level.				
	23.1.1	All types of soil				
1				100	E00.0E	71046
<u> </u>	23.1.1.1	300 mm dia	Metre	120	592.05	
	23.1.1.1 23.1.2	300 mm dia Rocky strata including Boulders	Metre	120	592.05	
2			Metre Metre	60		84978

Page 28 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

S No. 1	000001	 (a) :-RCC box/U-type/L-type segments requiring traffic block or in closed sections (b) :- RCC box/U-type/L-type segments not requiring traffic block or in closed sections 		653.13 159.25		2429349.69 279846.84 2709196.53
S No.	000001	traffic block or in closed sections		653.13	3719.55	2429349.69
S No.						
	Item No	Description of Item	Unit	Qty	Rate	Amount
Item- 3	segments of short dur	o 3:-Placement of precast reinforced cement concrete of retaining walls) with the help of suitable capacity ro- ration with all contactor's labour, tools, material, cran g of joints by epoxy mortar, cutting of lifting hooks by	ad crane a es, machir	t desired loo nery prepara	cation during	g traffic block ace including
Schedule	Schedule C	S-Non Schedule Items				
					Total	416838.00
4	23.14.3	200 mm clamp	Each	6	1827	10962
	23.14	Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tubewell as per IS: 2800 (part I), including necessary bolts & nuts of required size complete.				
3	23.10.3	200 mm nominal size dia having minimum wall thickness 5.40 mm	Metre	120	2082.1	249852
	23.10	Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 mild steel screwed and socketed/plain ended casing pipes of required dia, conforming to IS: 4270, of reputed & approved make, including painted with outside surface with two coats of anticorrosive paint of approved brand and manufacture, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer-in-charge.				

4. ELIGIBILITY CONDITIONS

Important: All documents uploaded and remarks / confirmation entered by the bidders against any eligibility condition shall be opened as part of technical bid only

Special Financial Criteria

S.No.	Description	Confirmation Required		Documents Uploading
1	Financial Eligibility Criteria: The tenderer must have minimum average annual contractual turnover of V/N or "V" whichever is less crores; where V= Advertised value of the tender in crores of Rupees N= Number of years prescribed for completion of work for which bids have been invited. The average annual contractual turnover shall be calculated as an average of "total contractual payments" in the previous three financial years, as per the audited balance sheet. However, in case balance sheet of the previous year is yet to be prepared/ audited, the audited balance sheet of the fourth previous year shall be considered for calculating average annual contractual turnover. The tenderers shall submit requisite information as per Annexure-VIII, along with copies of Audited Balance Sheets duly certified by the Chartered Accountant/ Certificate from Chartered Accountant duly supported by Audited Balance Sheet.	No	No	Allowed (Mandatory)

Special Technical Criteria

S.No.	Description	Confirmation	Remarks	Documents
		Required	Allowed	Uploading

Page 29 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

1	(a)The tenderer must have successfully completed/substentially completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: (i)Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or (ii) Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or (iii) One similar work each costing not less than the amount equal to 60% of advertised value of the tender. (b) (i) In case of composite works (e.g. works involving more than one distinct component, such as Civil Engineering works, S&T works, Electrical works, OHE works etc. and in the case of major bridges - substructure, superstructure etc.), tenderer must have successfully completed/substantially completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: Three similar works each costing not less than the amount equal to 30% of advertised value of each component of tender, or Two similar works, each costing not less than the amount equal to 40% of advertised value of each component of tender. Note: Separate completed works of minimum required values for each component can also be considered for fulfillment of technical eligibility criteria. (b) (ii) In such cases, what constitutes a component in a composite work shall be clearly pre-defined with estimated tender cost of it, as part of the tender documents without any ambiguity. Any work or set of works shall be considered to be a separate component, only when cost of the component is more than Rs. 2 crore each. The tenderer shall submit the completion certificate as per proforma given in annexure-IV-A or IV-B or IV-C as applicable or in the format containing all information as required as per the Annex. IV-	No	No	Allowed (Mandatory)	
	submit the completion certificate as per proforma given in annexure-IV-A or IV-B or IV-C as applicable or in the format containing all information as required as per the Annex. IV-A or IV-B or IV-C. Note: Criteria for the completed work/Substantially completed has been given in the General instructions in the tender document.				
1.1	Definition of similar nature work is "Earthwork and bridge work involving execution of earthwork/ blanketing in formation/ cutting and construction of bridges	No	No	Not Allowed	

Submission of Document Verification Certificate

S.No	· ·	Confirmation Required		Documents Uploading
1	Please submit a certificate in the prescribed format (please download the format from the link given below) for verification / confirmation of the documents submitted for compliance of eligibility / qualifying criteria. Non submission of the certificate, or submission of certificate either not properly filled in, or in a format other than the prescribed format shall lead to summary rejection of your offer. (Click here to download the Format of Self Certificatio)	No	INο	Allowed (Mandatory)

5. COMPLIANCE

Important: All documents uploaded and remarks / confirmation entered by the bidders against any compliance condition shall be opened as part of technical bid only.

Commercial-Compliance

S.No.	Description	Confirmation Required		Documents Uploading
1	Mandatory in case Bid security amount is prescribed in STD Para 5.1.2 - The Bid Security shall be deposited in cash through e-payment gateway or submitted as Bank Guarantee bond from a scheduled commercial bank of India or as mentioned in tender documents. The Bank Guarantee bond shall be as per Annexure-XXXII and shall be valid for a period of 90days beyond the bid validity period.	No	No	Allowed (Mandatory)
2	In case the tenderer is (i)Any firm recognized by Department of Industrial Policy and Promotion (DIPP) as 'Startups' - shall be exempted from payment of Bid security deposit and shall submit certified copy of the registration/ Valid document issued by DIPP (mandatory if applicable)		Yes	Allowed (Optional)
3	In case the tenderer is (iii) Labour Cooperative Societies - shall deposit only 50% of the Earnest Money Deposit and shall submit certified copy of the registration/ Valid document issued by the relevant Ministry/ Labour commission (mandatory if applicable).		Yes	Allowed (Optional)
4	Please enter the percentage of local content in the material being offered. Please enter 0 for fully imported items, and 100 for fully indigenous items. The definition and calculation of local content shall be in accordance with the Make in India policy as incorporated in the tender conditions.		Yes	Allowed (Optional)

Technical-Compliances

Page 30 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

S.No.	Description	Confirmation Required		Documents Uploading
1	The tenderer shall submit the Firms's detail as per Annexure I. (Mandatory for all firms)		Yes	Allowed (Mandatory)
2	The tenderer shall submit the copy of certificate as per proforma given in Annexure II. (Mandatory for all firms)	Yes	Yes	Allowed (Mandatory)
3	The tenderer should submit the List of similar nature of works physically completed/substantially completed in all respects during last 7 years , ending last day of month previous to one in which tender is invited,(i) directly awarded by Govt./Semi Govt./Public sector undertaking / Autonomous bodies /Municipal bodies/ Railways Siding owners (ii) Public listed company having average annual turnover of Rs. 500 crore and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange, incorporated/registered at least 5 years prior to the date of closing of tender/ as per proforma given in Annexure-III. In case of JV firm, these details are also required for all the members of the JV firm. In case, the Secondary Component(s) has/ have been defined, the details of successfully completed works of similar nature (that defined for the Secondary Component), executed by tenderer himself / the subcontractor (fully by any one or jointly i.e. partly by tenderer and remaining through subcontractor) during last five years, shall also be submitted (for five years)	Yes	Yes	Allowed (Optional)
4	In case of composite work, having distinct components and having separate schedule for each component having value more than 2 crores, tenderer should submit a details of work of similar nature successfully completed/substantially completed during last 7 years, ending last day of month previous to the one in which tender invited and detailed in Annexure-III (Bifurcated as per components of tender schedule), as per proforma given in Annexure-III-A. (Mandatory in case of tender for composite nature of work). In case of JV firm, these details are also required for all the members of the JV firm. In case, the Secondary Component(s) has/ have been defined, the details of successfully completed works of similar nature (that defined for the Secondary Component), executed by tenderer himself / the subcontractor (fully by any one or jointly i.e. partly by tenderer and remaining through subcontractor) during last five years, shall also be submitted (for five years).	Yes	Yes	Allowed (Mandatory)
5	The tenderer shall submit the Attested copy of Completion Certificate/substentially completed of works mentioned in Standard Technical Criteria under eligibility criteria above from the Organizations with whom they worked as per proforma given in Annexure-IV-A or IV-B (If the work is substantially completed) or IV-C (if the work is awarded by Public listed Company) as applicable. (Mandatory for all firms). In case of JV firm, these details are also required for all the members of the JV firm. In case, the Secondary Component(s) has/ have been defined, the Attested copy of Completion Certificate of works executed by tenderer himself / the subcontractor (fully by any one or jointly i.e. partly by tenderer and remaining through subcontractor) during last five years, shall also be submitted.	Yes	Yes	Allowed (Mandatory)
6	Details of Average Annual turnover of the public listed company (company should be 500 Cr and above) issued by Chartered Accountant. These details need to be submitted as per the proforma of Annexure VIII (Mandatory in case of completion certificate issued by public listed company as per annexure IV-C)		Yes	Allowed (Optional)
7	The copy of the documents regarding listing in the National stock exchange or Bombay stock exchange with details of status of listing as on date of opening of tender, duly self-attested. (Mandatory in case of completion certificate issued by public listed company as per annexure IV-C)		Yes	Allowed (Optional)
8	The copy of the document of incorporation/ registration of the Public listed company (should be at least 5 years prior to date of closing of tender), duly self-attested. (Mandatory in case of completion certificate issued by public listed company as per annexure IV- C)	Vac	Yes	Allowed (Optional)
9	The copy of document regarding Person Authorized by the Public listed Company to issue such certificate, duly self-attested. (Mandatory in case of completion certificate issued by public listed company as per annexure IV-C)		Yes	Allowed (Optional)

Page 31 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

10	Tenderer shall also submit the relevant copy of work order, bill of quantities bill wise details of payment received duly certified by Chartered Accountant, TDS certificates for all payments received a copy of final/last bill paid by the public listed company in support of above work experience certificate duly self-attested.(Mandatory in case of completion certificate issued by public listed company as per annexure IV- C)	Yes	Yes	Allowed (Optional)
11	The tenderer shall submit the self attested copy of the PERMANENT ACCOUNT NO. issued by the Income Tax Department.	Yes	Yes	Allowed (Optional)
12	The average annual contractual turnover shall be calculated as an average of "total contractual payments" in the previous three financial years, as per the audited balance sheet. However, in case balance sheet of the previous year is yet to be prepared/ audited, the audited balance sheet of the fourth previous year shall be considered for calculating average annual contractual turnover. The tenderers shall submit requisite information as per Annexure-VIII, along with copies of Audited Balance Sheets duly certified by the Chartered Accountant/ Certificate from Chartered Accountant duly supported by Audited Balance Sheet.	Yes	Yes	Allowed (Mandatory)
13	A statement showing construction works executed and payment received in any one of the previous three financial years or the current financial year (up to date of inviting tender) taking into account the completed as well as work in progress as per Annexure-XIX on the letter head of Chartered Accountant, to evaluate bid capacity of the tenderer (Mandatory for tender value more than Rs. 20 Crores). In case of JV firm details of construction works executed by each member of JV is required to be submitted	Yes	Yes	Allowed (Optional)
14	The tenderer should submit the List of works on hand, existing commitments and balance amount of ongoing works as per proforma given in 'Annexure-V to evaluate bid capacity of the tenderer, duly verified by the Chartered accountant (Mandatory for tender value more than Rs. 20 crores)	Yes	Yes	Allowed (Optional)
15	The tenderer should submit the List of plants & Machinery available on hand (own) and proposed to be inducted/ Hired (own and hired to be given separately) for the subject work in Annexure-VI.	Yes	Yes	Allowed (Optional)
16	The tenderer should submit the List of Personnel, Organization available on hand and proposed to be engaged for the subject work in Annexure -VII.	Yes	Yes	Allowed (Optional)
17	The tenderer in the capacity of Sole Proprieter tenderer shall submit the affidavit duly executed on stamp paper and notarized as per Annexure IX. (Mandatory for Sole Proprietership Firm/ forJV firm having Sole Proprieter firm as a member)	Yes	Yes	Allowed (Optional)
18	The tenderer shall submit the Power of Attorney duly registered with registrar or notarized as per proforma given in Annexure XIV to be submitted by sole proprietor firm duly registrar with the registrar or notarized. (Mandatory for Sole Proprietership Firm, if tender documents are uploaded by any individual authorized by him) (Not required if tender documents are uploaded by proprietor himself).	Yes	Yes	Allowed (Optional)
19	The tenderer in the capacity of HUF shall submit the affidavit duly executed on stamp paper and notarized as per Annexure XXVI. (Mandatory for HUF firm/for JV having HUF as a member))		Yes	Allowed (Optional)
20	The tenderer in the capacity of HUF shall submit the Power of Attorney, duly executed on stamp paper and duly registered with registrar/ notarized as per Annexure XXVII. (Mandatory for HUF firm)(Required, if tender documents are uploaded by any individual, authorized by him) (Not required if tender documents are uploaded by Karta himself).	Yes	Yes	Allowed (Optional)
21	The tenderer as partnership firm shall submit copy of partnership deed (duly registered with registrar or Notarized prior to the date of tender opening as per Indian partnership Act) (Mandatory for Partnership Firm /JV Firm having partnership firm as a member)		Yes	Allowed (Optional)
22	The tenderer as partner ship firm shall submit the Power of Attorney (duly registered with registrar or notarized) as per proforma given in Annexure-XIII to be submitted by Partnership firm. (Mandatory for Partnership Firm) (Required even if one or more partners are authorized in Partnership deed to sign and upload the offer on behalf of the firm.)		Yes	Allowed (Optional)
23	The tenderer in the capacity of Company shall submit the Copy of Memorandum of Association / Articles of Association of Company. (Mandatory for Company Firm / JV Firm having having Company as a member)		Yes	Allowed (Optional)

Page 32 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

24	The tenderer in the capacity of Company shall submit the copy of resolution passed by Board of Directors authorizing its Director/Employee to deal with tender on behalf of company.(Mandatory for Company Firm)		Yes	Allowed (Optional)
25	The tenderer in the capacity of company shall submit the Copy of Certificate of Incorporation of the Company. (Mandatory for Company Firm/JV Firm having having Limited Company as a member)		Yes	Allowed (Optional)
26	The tenderer in the capacity of company shall submit the Power of Attorney/Authorization (duly registered with registrar or notarized) including ratification clause duly signed by person authorized by the company as per proforma given in Annexure-XV. (Mandatory for Company Firm)(Required even if tender documents are submitted by the authorized/ power of attorney holder himself as per resolution passed by Board of Directors)	Yes	Yes	Allowed (Optional)
27	The tenderer in the capacity of Limited liabilities Partnership firm (LLP firm) shall submit the copy of LLP Agreement (Mandatory for LLP firm /JV Firm having LLP Firm as a member)		Yes	Allowed (Optional)
28	The tenderer in the capacity of Limited liabilities Partnership firm (LLP firm) shall submit the copy of Certificate of Incorporation (Mandatory for LLP firm /JV Firm having LLP Firm as a member)		Yes	Allowed (Optional)
29	The tenderer in the capacity of Limited liabilities Partnership firm (LLP firm) shall submit the copy of Resolution of Partners of LLP firm (executed on the Letter Head of LLP firm) in favour of the individual to sign he tender on behalf of the LLP firm and deal with tender on dehalf of the firm as per proforma given in Annexure-XX.(Mandatory for LLP firm).		Yes	Allowed (Optional)
30	The tenderer in the capacity of Registered Society/ Registered Trust shall submit the copy of the certificate of registration (Mandatory for Registered Society/ Registered Trust and JV firm having Registered Society/ Registered Trust as a member)	Yes	Yes	Allowed (Optional)
31	The tenderer in the capacity of Registered Society/ Registered Trust shall submit the copy of the Deed of Formation (Mandatory for Registered Society/ Registered Trust and JV firm having Registered Society/ Registered Trust as a member)	Yes	Yes	Allowed (Optional)
32	A copy of power of attorney in favour of the individual to sign the tender document and create liabilities against society/trust (Annexxure XXI)	Yes	Yes	Allowed (Optional)
33	The tenderer in the capacity of JV firm shall submit the Memorandum of Understanding of JV duly notarized as per proforma given in Annexure-X. (Mandatory for Joint Venture Firm)		Yes	Allowed (Optional)
34	The private/ limited company, sole propriter firm or HUF/Society/Trust partcipating as a member of JV shall submit the Power of Attorney duly registered with registrar or notarized as per proforma given in Annexure-XII (Mandatory), (For private/ limited company as member of JV- the annexure XII is required evenif MOU/JV agreement is signed by the authorized/ Power of attorny holder himself as per the Copy of Resolution) (For sole propriter firm/HUF as member of JV- Not required if MOU/JV agreement is signed by the proprieter of the sole propriter firm/ karta of HUF himself)	Yes	Yes	Allowed (Optional)
35	The tenderer in the capacity of JV firm shall submit the Letter of consent duly executed on stamp paper as per proforma given in Annexure-XI to be submitted by a partnership firm participating as a Member of JV firm. (Mandatory for Joint Venture Firm if one of the member is Partnership firm)	Yes	Yes	Allowed (Optional)
36	The tenderer inthe capacity of JV firm shall submit the Power of Attorney duly registered with registrar or notarized in favour of the individual to sign the MOU/JV agreement on behalf of the partnership firm and create libility against the firm as per proforma given in Annexure-XVIII.(Mandatory for Joint Venture Firm if one of the member is Partnership firm) (Required evenif MOU/JV agreement is signed by one or more partners authorised in the partnership deed, letter of consent)	Yes	Yes	Allowed (Optional)
37	The tenderer in the capacity of Limited liabilities Partnership firm (LLP firm) shall submit submit the Power of Attorney duly registered with registrar or notarized, issued by LLP firm as per proforma given in Annexure-XX. (Mandatory for LLP firm/ for JV having LLP as member) (Required even if tender documents are submitted by the authorized/ power of attorney holder himself as per resolution passed by Parters of the LLP)	Yes	Yes	Allowed (Optional)

Page 33 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

38	The tenderer in the capacity of JV firm shall submit the Copy of Resolution of the Partners of LLP firm, permitting the LLP firm to enter into a JV agreement, authorizing one of the partner of LLP firm to sign MOU/JV Agreement and such other documents required to be signed on behalf of the LLP firm and to create libilities against the LLP firm and / or to do any other act on behalf of the LLP firm as per proforma given in Annexure-XXIII (Mandatory for JV firm if one of the member is LLP firm).	Yes	Yes	Allowed (Optional)
39	The tenderer inthe capacity of JV firm shall submit the Power of Attorney duly registered with registrar or notarized (Backed by Resolution of the Partners of LLP firm) in favour of individual to sign the tender, to sign MOU/JV Agreement on behalf of the LLP firm and create liability against the LLP firm as per proforma given in Annexure-XXIV. (Mandatory for JV firm if one of the member is LLP firm).	Yes	Yes	Allowed (Optional)
40	The tendere in the capacity of JV firm shall submit the copy of resolution passed by Board of Directors of the Company, permitting the company to enter into a JV agreement, authorizing MD or one of the Directors of Mangers of the Company to sign JV Agreement, such other documents required to be signed on behalf of the Company and enter into liability against the company and/or do any other act on behalf of the company to be submitted as per Annexure-XVII. (Mandatory for JV firm if one of the member is Limited Company)	Yes	Yes	Allowed (Optional)
41	The tenderers shall submit the information and particulars regarding retired Railway Engineer(s)/Officer(s) of the Gazetted rank and regarding Relative(s) employed in Gazetted capacity on North Western Railway as per proforma given in Annexure XXII (Mandatory)	Yes	Yes	Allowed (Mandatory)
42	The tenderer in the capacity of newly formed Partnership Firm/ LLP Firm, shall submit Declaration as per ANNEXURE XXVIII (Mandatory if tenderer is Newly Formed Partnership Firm/ LLP Firm. The following relevant documents are Annexed with bid - (mandatory as applicable) (1) Details of previous Propriety firm / Partnership Firm/ LLP firm as per annexure I (2) A copy of previous partnership Firm (Notarized or duly registered with the Registrar) (3) Affidavit as per proforma given of Annexure -IX for previous Propriety firm (duly executed on stamp paper and notarized). (4) Copy of previous LLP agreement and certificate of incorporation. (5) Dissolution deed/ splitting deed of the previous partnership deed or LLP agreement (in case of dissolution of previous partnership firm/ LLP firm) (6) Proof of surrender of previous PAN no (in case of dissolution of previous partnership firm, LLP firm or propriety firm) (7) Documents for the technical, financial criteria, bid capacity as claimed w.r.t. such partner(s) joining the new/ existing partnership firm, as per para 16.1 (c), (d), (f), (g), (k) of Bid document.	Yes	Yes	Allowed (Optional)
43	The tenderer in the capacity of existing Partnership Firm/ LLP Firm, shall submit Declaration as per Annexure XXXIX (Mandatory if tenderer is existing Partnership Firm/ LLP Firm. The following relevant documents are Annexed with bid - (mandatory as applicable) (1) Details of previous Propriety firm / Partnership Firm/ LLP firm as per annexure I. (2) A copy of previous partnership Firm (Notarized or duly registered with the Registrar) (3) Affidavit as per proforma given of Annexure -IX for previous Propriety firm (duly executed on stamp paper and notarized). (4) Copy of previous LLP agreement and certificate of incorporation. (5) Dissolution deed/ splitting deed of the previous partnership deed or LLP agreement (in case of dissolution of previous partnership firm/ LLP firm) (6) Proof of surrender of previous PAN no (in case of dissolution of previous partnership firm, LLP firm or propriety firm) (7) Documents for the technical, financial criteria, bid capacity as claimed w.r.t. such partner(s) joining the new/ existing partnership firm, as per para16.1 (c), (d), (f), (g), (k) of Bid document	Yes	Yes	Allowed (Optional)

Page 34 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

44	The tenderer in the capacity of existing/ New Company, shall submit Declaration regarding constitution of the existing/ New Company as per Annexyre XXX (Mandatory if tenderer is merged Company). The following relevant documents are Annexed with bid - (mandatory as applicable) (1) Details of company getting merged as per annexure I (2) Copy of Memorandum of Association/ Articles of Association of the Company getting merged (3) Copy of certificate of incorporation of previous company getting Merged. (4) Resolution by the Board of Directors for the Merger of the company(s) with the tenderer (5) Proof of surrender of previous PAN no (6) Documents for the technical, financial criteria, bid capacity as claimed w.r.t. such Company(s) joining the new/ existing Company, as per para 16.1 (c), (d), (f), (g), (k) of Bid document	Yes	Yes	Allowed (Optional)
45	Tenderer shall submit a formal agreement duly notarized, legally enforceable in the court of law, executed by tenderer with the subcontractor for the component(s) of work proposed to be executed by the subcontractor(s), and shall be submitted along with the offer as per performa given in Annexure XXXI.(Mandatory in case of secondary components are defined in the tender with special condition 'for submission along with the Offer)	Yes	Yes	Allowed (Optional)

Undertakings

S.No.	Description	Confirmation Required		Documents Uploading
1	$\ensuremath{I}/\ensuremath{We}$ have visited the works site and \ensuremath{I} / \ensuremath{We} am / are aware of the site conditions.	No	No	Not Allowed
2	I/We have read the various conditions to tender attached here to and agree to abide by the said conditions. I/We also agree to keep this tender open for acceptance for a period as mentioned in NIT header from the date fixed for opening the same and in default thereof, I/We will be liable for forfeiture of my/our "Bid security". I/We offer to do the work for North Western Railway, at the rates quoted in the attached schedule and hereby bind myself/ourselves to complete the work in all respects within time period as mentioned in the NIT Header from the date of issue of letter of acceptance of the tender.	No	No	Not Allowed
3	I/We also hereby agree to abide by the General Conditions of Contract-2022 corrected up- to- date and to carry out the work according to the Special Conditions of Contract and Indian Railways Unified Standard Specifications (Materials and Works) Vol-I & II 2010 as corrected up-to-date, Unified Standard Schedule of Rates of North-Western Railway, 2019 as corrected up-to-date (for the present contract).		No	Not Allowed
4	An amount towards Bid Security As mentioned in the relevant Para of NIT header has been submitted online through net banking or payment gateway or Bank gurantee. The full value of the Bid security shall stand forfeited without prejudice to any other right or remedies in case my/our tender is accepted and if:- (a) I/We do not execute the contract documents within seven days after receipt of notice issued by the Railway that such documents are ready; and (b) I/We do not commence the work within fifteen days after receipt of orders to that effect.	No	No	Not Allowed
5	Until a formal agreement is prepared and executed, acceptance of this tender shall constitute a binding contract between us subject to modifications, as may be mutually agreed to between us and indicated in the letter of acceptance of my/our offer for this work.	No	No	Not Allowed
6	The tenderer shall submit the original copies of the documents as per Annexure II, IX, X, XI, XII, XIII, XIV, XV, XVII, XVIII, XX, XXI, XXI	No	No	Not Allowed

Page 35 of 36 Run Date/Time: 18/05/2023 19:25:32

Tender No: NWR-SC-BKN-01-2023-24 **Closing Date/Time:** 09/06/2023 15:00

7	The tenderer shall comply with the provisions of the Contract Labour (Regulation and Abolition) Act 1970 and the Contract Labour (Regulation and Abolition) Central Rules 1971 as modifed from time to time, wherever applicable and shall also indemnify the Railway from and against any claims under the aforesaid Act and Rules.	No	No	Not Allowed
8	The tenderer shall comply with the provisions of the Payment of Wages Act 1936, Minimum Wages Act 1948, The Workmen Compensation Act 1923, and the rules made there under in respect of any employees employed directly or through petty contractors or sub-contractors engaged by them, as modifed from time to time, wherever applicable and shall also indemnify the Railway from and against any claims under the aforesaid Act and Rules.		No	Not Allowed
9	The tenderer shall comply with the provisions of the Employees provident fund and Miscellaneous Provision Act 1952 and the rules made there under as modifed from time to time, wherever applicable and shall also indemnify the Railway from and against any claims under the aforesaid Act and Rules.	No	No	Not Allowed
10	The tenderer shall comply with the provisions of the Employees State Insurance Act 1948 and Employees Pension Scheme 1995 and the rules made there under as modifed from time to time, wherever applicable and shall also indemnify the Railway from and against any claims under the aforesaid Act and Rules.		No	Not Allowed
11	The successful tenderer after award of the contract shall register himself on website www.shramikkalyan.indianrailways.gov.in and will comply the provisions of the Para 39 of the Special Conditions (General) of Standard Tender Document.	No	No	Not Allowed
12	I/We have read the various conditions of clause no. 26 of General Instructions of Tender Document and Special Condition of NIT regarding Electronic Reverse Auction and agree to abide by the said conditions.	No	No	Not Allowed
13	Certify that neither I /We (name of the sole Proprietor firm/ Partnership Firm/Limited Company/ LLP/Registered Society/Trust / JV firm) nor any of the partner or partnership firm/ LLP /Member of Registered Society/ Trust / Constituent of JV firm including partner of partnership firm in JV has/ have been black listed or debarred by Railway or any other Ministry /Department/ Public Sector Undertaking of the Government of India/ any State from participation in tenders/contract on the date of opening of bids either in our individual capacity or in any firm in which we are partners.	No	No	Not Allowed

6. Documents attached with tender

S.No.	Document Name	Document Description
1	Standardtenderdocumentupdated.pdf	Standard Tender Document
2	Additional Special conditions of contract latest.pdf	Additional Special Conditions of co
3	Specialconditions and specification of NSitems updated.pdf	Special Conditions and Specificatio
4	GCC2022April.pdf	GCC 2022
5	ACSNo.1GCC-2022.pdf	GCC Correction slip no 1
6	GCCcorretionslip2.pdf	GCC correction slip no 2
7	GCCCorrectionSlipNo_3ACS-3.pdf	GCC correction Slip No 03
8	Correctedcompendiumofinstructiononsafetyatworkssite31.3.14.pdf	Corrected compendium of instruction

This tender complies with Public Procurement Policy (Make in India) Order 2017, dated 15/06/2017, issued by Department of Industrial Promotion and Policy, Ministry of Commerce, circulated vide Railway Board letter no. 2015/RS(G)/779/5 dated 03/08/2017 and 27/12/2017 and amendments/ revisions thereof.

As a Tender Inviting Authority, the undersigned has ensured that the issue of this tender does not violate provisions of GFR regarding procurement through GeM.

Signed By: VIJAI SINGH MEENA

Designation: Dy.CE/C/Bikaner

Page 36 of 36 Run Date/Time: 18/05/2023 19:25:32