

**WDFC FIELD UNIT-AJMER-CIVIL/WDFC
TENDER DOCUMENT**

Tender No: All-EN-WC-ROB-LC108-20-21

Closing Date/Time: 05/04/2021 15:00

GM/DFCCIL/AJMER acting for and on behalf of The President of India invites E-Tenders against Tender No **All-EN-WC-ROB-LC108-20-21** Closing Date/Time 05/04/2021 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.

Contractors are allowed to make payments against this tender towards tender document cost and earnest money only through only payment modes available on IREPS portal like net banking, debit card, credit card etc. Manual payments through Demand draft, Banker cheque, Deposit receipts, FDR etc. are not allowed.

1. NIT HEADER

Name of Work	Construction of balance works of Two Lane ROB (including approaches) in lieu of Level crossings No.108 at Km.565/0-1 at Banas Yard of Madar-Palanpur Section of Ajmer Division of North Western Railway.		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	05/04/2021 15:00	Date Time Of Uploading Tender	20/03/2021 14:39
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	302128696.45	Tendering Section	WORKS
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par
Earnest Money /Bid Security (Rs.)	0.00	Validity of Offer (Days)	45
Obtain Bid Security Declaration in lieu of Bid Security	Yes		
Tender Doc. Cost (Rs.)	0.00	Period of Completion	6 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	22/03/2021	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 Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule A-RUIDP SOR-2013							301463976.45	
1	Please see Item Breakup for details.				881821.00	AT Par	881821.00	
	Description:- Carriage of material by mechanical transport including loading, unloading and stacking							
2	Please see Item Breakup for details.				77430.00	AT Par	77430.00	
	Description:- Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable material with all lifts and up to a lead of 1000 mtrs and earth filling in the depression/pit to required compaction as per MoRT&H specification clause 201. (Measurment of girth to be done at height of 1 m above ground level)							
3	22	2.85	Sqm	17100.00	48735.00	AT Par	48735.00	
	Description:- Clearing Grass and Removal of Rubbish (Maximum 150mm) by manual means and disposal at a lead of 50 metres as per MoRT&H specification clause 201							
4	Please see Item Breakup for details.				12800.00	AT Par	12800.00	
	Description:- Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to a lead of 50 metres from road boundary including removal and disposal of top organic soil not exceeding 150 mm in thickness as directed by Engineer							
5	Please see Item Breakup for details.				217600.00	AT Par	217600.00	
	Description:- Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 50 metres as directed by Engineer							
6	Please see Item Breakup for details.				24900.00	AT Par	24900.00	
	Description:- Dismantling Brick / Tile work							
7	Please see Item Breakup for details.				24900.00	AT Par	24900.00	
	Description:- Dismantling Stone Masonry							
8	Please see Item Breakup for details.				126050.00	AT Par	126050.00	

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	Description:- Dismantling of flexible pavements and disposal of dismantled materials up to a lead of 50 metres, stacking serviceable and unserviceable materials separately as directed by Engineer.						
9	210	75.00	cum	976.00	73200.00	AT Par	73200.00
	Description:- Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials up to a lead of 1000 metres, stacking serviceable and unserviceable materials separately as per MoRT&H specification clause 202.						
10	216	10.00	Each	717.00	7170.00	AT Par	7170.00
	Description:- Removal of telephone / electric poles including excavation and dismantling of foundation concrete and lines under the supervision of concerned department, disposal with all lifts and upto lead of 1000 meters and stacking serviceable material and unserviceable material separately as per MoRT&H specification clause 202.						
11	Please see Item Breakup for details.			577125.00	AT Par	577125.00	
	Description:- Earth work in excavation for roadway, including trimming bottom and side slopes in accordance with requirement of line, grades and cross sections, including disposal of surplus material with all lift and lead upto 1.0km as per MoRT&H specification clause 301.						
12	44	3800.00	cum	196.00	744800.00	AT Par	744800.00
	Description:- Construction of embankment with approved material obtained from borrow pit with all lifts and leads, transporting to site, spreading, grading to required slope and compacting by vibratory roller 8-10 tonne to meet requirement of table 300-2 including cost of compensation for earth taken from private land complete as per MoRT&H specification clause 305. (Lead taken upto 5 km)						
13	46	3800.00	cum	223.00	847400.00	AT Par	847400.00
	Description:- Construction of subgrade and earthen shoulders with approved material obtained from borrow area with all lifts & leads, transporting to site, spreading, grading to required slope and compacted in layers not exceeding 200mm thickness at OMC, with vibratory roller of 80-100 KN static weight or more to attain a density 97% maximum dry density to meet requirement of table No.300-2 as per MoRT&H specification clause 305. (Lead taken upto 5 km)						
14	Please see Item Breakup for details.			49450.00	AT Par	49450.00	
	Description:- Compacting original ground						
15	Please see Item Breakup for details.			7796075.00	AT Par	7796075.00	
	Description:- Earth work in excavation in foundation, trenches etc. including dressing of sides and ramming of bottoms, including getting out the excavated material, refilling after laying pipe/ foundation and disposal of surplus excavated material at a lead upto 50m suitable site as per direction of Engineer for following depths, below natural ground / Road top level In all types soils/ saturated soil such as moorum, sand, sandy silt, clay, black cotton soil, kankar, etc.						
16	Please see Item Breakup for details.			4460750.00	AT Par	4460750.00	
	Description:- In ordinary rock						
17	Please see Item Breakup for details.			1527825.00	AT Par	1527825.00	
	Description:- In hard rock (required blasting) including Blasting materials						
18	Please see Item Breakup for details.			565200.00	AT Par	565200.00	
	Description:- In hard rock (Blasting prohibited)						
19	Please see Item Breakup for details.			144000.00	AT Par	144000.00	
	Description:- SITE OFFICE						
20	Please see Item Breakup for details.			5400000.00	AT Par	5400000.00	
	Description:- Providing, laying, spreading and compacting of granular sub-base by providing close graded Material, mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per MoRT&H specification clause - 401 including all material, labour, machinery, lighting, guarding and maintenance of diversion.						
21	Please see Item Breakup for details.			2072000.00	AT Par	2072000.00	
	Description:- Providing laying, spreading and compacting stone aggregates of specific sizes as per Table 400-7 to Water Bound Macadam specification including spreading in uniform thickness; hand packing, rolling with power roller 8-10 tonnes, in stages to proper grade and camber, applying and brooming requisite type of screening (Table 400-8) binding materials to fill up the interstices of coarse aggregates, watering (with water browser) and compacting to required density, making necessary earthen bund to protect edges as per clause 404 of MoRT&H specification including all material, labour, machinery, lighting, guarding and maintenance of diversion complete						
	76	2500.00	cum	1300.00	3250000.00	AT Par	3250000.00

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Closing Date/Time: 05/04/2021 15:00

22	Description:- Providing, laying, spreading (with paver finisher only) and compacting wet mix macadam (WMM) base course comprising of graded stone aggregate and granular material conforming to MORT&H specifications (Table 400-II) in layers of equal compacted thickness each consolidated, including pre-mixing the material with water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by tipper to site, laying in uniform layers in base course on a well prepared sub-base/ base course and compacting with power vibratory-roller to achieve the desired density complete as per MoRT&H specification clause - 406 including all material, labour, machinery, lighting, guarding and maintenance of diversion.						
	81	10000.00	Sqm	27.00	270000.00	AT Par	270000.00
23	Description:- Providing and applying priming coat over prepared surface of granular base with bitumen emulsion as per IS:8887 and approved quality @ 0.60kg/sqm with the help of spray set fitted on bitumen container (boiler) after cleaning the surface including removing of binding material and other foreign matter with wire brushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and compressed air to receive bituminous treatment complete as per clause 502 of MoRT&H specification including all material, labour, machinery, lighting, guarding and maintenance of diversion.						
	82	5000.00	Sqm	4.50	22500.00	AT Par	22500.00
24	Description:- Extra for additional bitumen emulsion used in above item for every 1kg per 10 sqm						
	83	10000.00	Sqm	9.50	95000.00	AT Par	95000.00
25	Description:- Providing and applying tack coat on the prepared surface with bitumen emulsion as per IS:8887 and approved quality @ 0.2kg/ sqm with the help of spray set fitted on bitumen container (boiler) after cleaning the surface with brooms or soft brushes and finally dusting with old gunny bags and compressed air to receive bituminous treatment complete as per clause 502 of MoRT&H specification including all material, labour, machinery, lighting, guarding and maintenance of diversion.						
	84	1500.00	Sqm	4.50	6750.00	AT Par	6750.00
26	Description:- Extra for additional bitumen emulsion used in above item for every 1kg per 10 sqm [for 0.015kg/Sqm Rate 4.5x0.15=0.675]						
	Please see Item Breakup for details.				5953550.00	AT Par	5953550.00
27	Description:- Providing and laying 50-75 mm compacted thick design mix (approved by Engineer) Dense Bituminous Macadam on prepared surface with specified graded crushed aggregates as per Table 500-9, 500-10 with bitumen binder set (including cost of anti-stripping compound wherever required) for base/ binder course including loading of material with F.E. loader, heating and mixing of stone aggregate, filler and bitumen in computerised hot mix plant, transporting the mixed material by tipper to paver and laying with paver finisher fitted with electronic sensor control as per clause 504.3.5 to the required level and grade, compacting by power rollers and vibratory rollers or 150 to 250 KN pneumatic tyred roller with TP=0.7Mpa to achieve the desired density (approximately 2.3 tonne /cum) complete as per clause 507 of MoRT&H specification but excluding primer/tack coat, including all material, labour, machinery, lighting, guarding and maintenance of diversion.						
	Please see Item Breakup for details.				4612400.00	AT Par	4612400.00
28	Description:- Providing and laying 30-45 mm compacted thickness Bituminous Concrete as per design mix (approved by Engineer) on prepared surface with specified grade stone aggregate as per Table - 500-18 with bitumen for wearing course including loading of aggregate with F.E. loader and hot mixing of stone aggregate and bitumen (including cost of anti-stripping compound wherever required) in computerised hot mix plant, transporting the mixed material by tipper to paver and laying with paver finisher fitted with electronic sensing device (as per clause 504-3.5) to the required level and grade and compacting by power rollers and vibratory rollers or 150 to 250 KN pneumatic tyred roller with TP=0.7Mpa, to achieve the desired density complete as per clause 509 of MoRT&H specification including all material, labour, machinery, lighting, guarding and maintenance of diversion but excluding primer/tack coat.						
	816	900.00	Sqm	544.00	489600.00	AT Par	489600.00
29	Description:- Providing and laying 25 mm thick bitumen mastic asphalt wearing course with paving grade bitumen meeting the requirements given in table 500-29 (including cost of anti-stripping compound wherever required) @ 14-17% (by weight) as per job mix formula, coarse aggregate as per Table 500-32, fine aggregate as per Table 500-31 and lime stone powder as filler, prepared by using mastic cooker and laid to required level and grade after cleaning the surface, including providing antiskid surface with bitumen precoated fine grained hard stone chipping of 13.2 mm nominal size @ 0.005cum per 10 sqm and at an approximate spacing of 10 cm center to center in both directions, pressed into surface when the temperature of surfaces not less than 100 degree Centigrade, protruding 1 mm to 4 mm over mastic surface, all complete including all material, labour, machinery, lighting, guarding and maintenance of diversion complete as per clause 515 of MoRT&H specification.						
	101	2000.00	Metre	244.00	488000.00	AT Par	488000.00
30	Description:- Providing and fixing precast cement concrete M-20 grade (Using mechanical Concrete Mixer) kerb stone top and bottom width 115 and 165 mm respectively, 250 mm high on 150 mm thick PCC M-10 grade foundation as per design, including fixing at site as per clause 408 of MoRT&H Specification including all material, labour, machinery, lighting, guarding and maintenance of diversion.						
	Please see Item Breakup for details.				207500.00	AT Par	207500.00

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TENDER DOCUMENT**

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Closing Date/Time: 05/04/2021 15:00

31	Description:- Painting two coats on specified surface with synthetic enamel paint of approved brand and shade, after thorough cleaning and necessary filling to give even shade as per clause 803 of MoRT&H Specification including all material, labour.						
	108	450.00	Sqm	803.00	361350.00	AT Par	361350.00
32	Description:- Providing and laying marking of center line and stop line etc with hot thermoplastic compound 2.5 mm thick on road/ plain surface, including reflectorising glass beads @ 250gms per sqm area with special applicator machine, as per IRC:35 including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control involved. The finished surface to be level, uniform and free from streaks and holes as per clause 803 of MoRT&H Specification including all material, labour, machinery, lighting, guarding and maintenance of diversion.						
	Please see Item Breakup for details.			320700.00	AT Par	320700.00	
33	Description:- Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign as per IRC :67 made of encapsulated lens type reflective sheeting vide clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 3 metre long and size 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing including all material, labour.						
	Please see Item Breakup for details.			1153300.00	AT Par	1153300.00	
34	Description:- Providing and erecting overhead signs with a corrosion resistant 2mm thick aluminium alloy sheet reflectorised with high intensity retro-reflective sheeting of encapsulated lens type with vertical and lateral clearance given in clause 802.2 and 802.3 and installed as per clause 802.7 over a designed support system of galvanised steel trestles and trusses of sections and type as per structural design requirements and approved plans.						
	1017	100.00	Metre	2210.00	221000.00	AT Par	221000.00
35	Description:- Providing and fixing 50 mm dia G.I. steel pipe railing in 3 rows duly painted on medium weight steel channels (ISMC series) 100 mm x 50 mm, 1.2 metres high above ground, 2 m centre to centre, complete as per approved drawings including all material, labour.						
	1019	720.00	Each	195.00	140400.00	AT Par	140400.00
36	Description:- Providing and fixing CAT's eye made of aluminium alloy size 75x100x22mm having 21 biconvex lenses embedded in circular disk of AS plastic on each side on road surface complete including all material, labour, diversion.						
	1022	60.00	Each	1480.00	88800.00	AT Par	88800.00
37	Description:- Providing and fixing "SWISS" type bollard 134cm height made out of 1.25mm thick M.S. sheet welded in conical section having upper dia 15cm and lower dia 20cm with another attachment of mandatory 7mm thick plate and fixed with the help of 7cm long, 30cm dia chrome plated MS tube, this part is fixed on the body with another attachment of a cap 30x7cm, whole body is painted in black stove enamel and mandatory plate in azure blue with one compulsory keep left arrow with 10mm border reflective strip each of 7.5cm on body complete in all respect including all material, labour, diversion.						
	1023	26.00	Each	495.00	12870.00	AT Par	12870.00
38	Description:- Providing and fixing of hazard marker made out of 2mm thick MS angle iron 25x25x3mm and fixed on channel posts 75x75x6 mm and hold fast at bottom whole body is painted in white stoving enamel and 6 nos. 5cm dia reflective sheet on white reflective background with additional border of 1.25cm all around it complete in all respect including all material, labour, diversion						
	121	2000.00	Sqm	262.00	524000.00	AT Par	524000.00
39	Description:- Filling of Pot- holes and patch repairs with Built up Spray Grout in two layers with 53-22.4mm size of aggregate upto 75mm depth and removal of all failed material, trimming of completed excavation to provide firm vertical faces, cleaning of surface, painting of tack coat on the sides and base of excavation as per clause 503, back filling the pot holes with hot bituminous material as per clause 506, compacting with 8-10 tonne power roller, trimming and finishing the surface to form a smooth continuous surface complete using Bitumen VG-grade 30 as per clause 503, 506 & 3004.2 of MoRT&H specification including all material, labour, machinery, lighting, guarding and maintenance of diversion..						
	122	1500.00	Sqm	120.00	180000.00	AT Par	180000.00
40	Description:- Filling of Pot- holes and patch repairs with open graded premix surfacing 20mm thick compacted with bitumen binder VG-grade 30 @ 14.60 kg/10 sqm and aggregate in Hot mix plant, transporting the mixed material with tipper and laying manually to the required level and grade, rolling with power roller, 8-10tonne, removal of all failed material, trimming of completed excavation to provide firm vertical faces, cleaning of surface, painting of tack coat on the sides and base of excavation as per clause 503, back filling the pot holes with hot bituminous material as per clause 511, compacting, trimming and finishing the surface to form a smooth continuous surface complete as per clause 3004.2 of MoRT&H specification including all material, labour, machinery, lighting, guarding and maintenance of diversion..						
	Please see Item Breakup for details.			5719800.00	AT Par	5719800.00	

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TENDER DOCUMENT**

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Closing Date/Time: 05/04/2021 15:00

41	Description:- Providing, laying and compacting plain/ reinforced cement concrete of specified grade in foundation/ leveling course/ pile cap using concrete mixer and vibrater complete including cost of form work, as per drawing and technical specifications and as per clause 1100, 1500, 1700, 2100 of MoRT&H specification including all scaffolding material, labour, machinery						
	Please see Item Breakup for details.			2295000.00	AT Par	2295000.00	
42	Description:- Providing, laying and compacting design mix plain/ reinforced cement concrete of specified grade in foundation/ leveling course/pile cap using batching plant, transit mixer and concrete pump and vibrater including cost of form work, complete as per drawing and technical specifications as per clause 1100, 1500,1700,2100 of MoRT&H specification including all material, labour, machinery, and maintenance of diversion						
	1324	45.00	Tonne	64600.00	2907000.00	AT Par	2907000.00
43	Description:- Providing and laying TMT bar reinforcement at any level in foundation/ pile/ pile cap complete as per drawing and clause 1600 of MoRT&H Specification including all material, labour and machinery.						
	Please see Item Breakup for details.			1040000.00	AT Par	1040000.00	
44	Description:- Providing and laying structural plain/ reinforced cement concrete (design mix) of specified grade in substructure at all levels using concrete mixer and vibrater, including cost of form work, as per drawing and technical specifications complete as per clause 1500, drawing and technical specifications complete as per clause 1500, 1700 and 2200 of MoRT&H specification including all material, labour, scaffolding etc.						
	Please see Item Breakup for details.			2603200.00	AT Par	2603200.00	
45	Description:- Providing and laying structural plain/ reinforced cement concrete (design mix) of specified grade in substructure at all levels using batching plant transit mixer , concrete pump and vibrater, including cost of form work, as per drawing and technical specifications complete as per drawing and clause 1500,1700and2200 of MoRT&H specification including all material, labour, scaffolding ,machinery etc.						
	Please see Item Breakup for details.			46800.00	AT Par	46800.00	
46	Description:- Providing weep holes in brick/ stone masonry/ Plain/ Reinforced concrete abutment, wing wall/ return wall with following dia AC pipe, extending through the full width of the structure with slope of 1V : 20H towards drawing face complete as per drawing, technical specifications and clause 2205 of MoRT&H Specification including all scaffolding, material, labour, machinery etc.						
	149	11700.00	cucm	0.75	8775.00	AT Par	8775.00
47	Description:- Supplying, fitting and fixing in position true to line and level Elastomeric Bearing conforming to IRC:83 (Part-II) section IX and clause 2005 of MoRT&H specification complete including all accessories as per drawing and technical specification and as per clause 2000 & 2200 of MoRT&H Specification including all scaffolding, material, labour, machinery etc.						
	1410	5000.00	MT	308.00	1540000.00	AT Par	1540000.00
48	Description:- Supplying, fitting and fixing in position true to line and level POTPTFE bearing consisting of a metal piston supported by a disc or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel/fabricated structural steel, metal and elastomer elements to be as per IRC: 83 part-I & II respectively and other parts conforming to BS: 5400, section 9.1 & 9.2 and clause 2006 of MoRT&H Specifications complete as per drawing and approved technical specifications and as per clause 2000 & 2200 of MoRT&H Specification including all scaffolding, material, labour, machinery etc.						
	1411	20600.00	cum	1150.00	23690000.00	AT Par	23690000.00
49	Description:- Providing and laying of Filter media with granular materials/stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2. of MoRT&H specifications with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and technical specification including all material, labour, machinery as per clause 710.1.4 of IRC:78 and clause 2200 of MoRT&H specification.						
	Please see Item Breakup for details.			518320.00	AT Par	518320.00	
50	Description:- Back filing in foundation, trench behind abutment, wing wall and return wall etc and below pipe bed in layers not exceeding 20cm in depth, consolidating each deposited layer compacted by mechanical means with all lead and lift as per drawing and technical specification including all material, labour, machinery as per clause 2100 and 2200 of MoRT&H specification including all material, labour, machinery.						
	1414	1960.00	Sqm	975.00	1911000.00	AT Par	1911000.00
51	Description:- Providing and laying precast cement concrete M-30 Grade 100mm thick paving blocks of approved shape and size (not less than 0.20 sqm), over 100mm thick PCC M-10 Grade bedding (duly compacted) including filling of joints with cement sand mortar (1:3) complete as per drawing and specification and as approved by Engineer.						
	1416	298200.00	Kg	136.00	40555200.00	AT Par	40555200.00

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Closing Date/Time: 05/04/2021 15:00

52	<p>Description:- Fabrication, Welding, Riveting, bolting by HSFG bolts wherever required, supply, transportation to site, Assembling, Launching, Erecting of steel girder spans as per drawings and specifications approved by Railway and department for composite construction i.e. (Steel +RCC) of superstructure of the Road Over Bridge with contractor's own mild steel conforming to IS: 2062 Grade 250(B) with all welds, rivets, nuts bolts rivet materials, weld materials, HSFG bolts, service bolts, with other ancillary steel structures fixed to the girder where necessary in proper level and alignment and as per technical specifications etc. with contractor's own materials, fabrication, machinery, templates, fixtures, equipments tools and plants, transportation to site, skilled/ unskilled labour, excise duty., Octroi, sales tax and other taxes, all leads and lifts, descent, loading, unloading, crossing one or more Railway track if required etc. complete and as per technical specifications. The rate shall also be inclusive of cold straightening of deformed and bent girder parts before their assembly. The structural steel to be used should be manufactured by SAIL/ RINL/ TISCO/ ESSAR/ JINDAL only. For Painting prior approval for superior brand/ make of the paint should be taken from engineer in charge. The rate shall be inclusive of supply, erection and dismantling of staging and scaffolding and other temporary arrangements required for the purpose of assembly, erection and launching of girders. The rate shall also be inclusive of cold straightening of deformed and bent girder parts before/after their assembly Metalising girder/ girder component such as cross girder, top chord channels, bracing etc of BG new steel girder as directed by engineer with epoxy paint spray not less than two layers after preparing surface by sand/grit blasting as per provision laid in Appendix VI of IRS B-1179 code (latest alteration) including one coat wash primer one coat epoxy zinc chromate primer and two coat of epoxy paint with approved paint conforming to IS specification for fabrication & erection of steel girder bridge (RS B 1-79) as corrected up to date with contractor's own materials, tools, plants, labour, handling, rehandling if any including all lead, lifts descents, crossing of track/ obstruction etc. complete in all respect and as per direction of the engineer. Note: 1. The fabrication of girders must be got done from RDSO approved firms only. 2. For Payment purpose, nominal weight of the girder as per drawing will only be considered.</p>						
53	Please see Item Breakup for details.		11217500.00	AT Par	11217500.00		
53	<p>Description:- Providing and laying structural reinforced/ prestressed cement concrete (design mix) of specified grade using batching plant, transit mixer, concrete pump and vibrator in superstructure at all levels including cost of steel form work complete as per clause 1500, 1600 and 1700 of MoRT&H specification including all scaffolding, material, labour, machinery etc RCC/PSC Grade M -40</p>						
54	Please see Item Breakup for details.		2544000.00	AT Par	2544000.00		
54	<p>Description:- Providing, precasting, transportation and placing in position at all level precast pre/post-tensioned specified grade girders complete as per drawing and clause 1800 & 2300 of MoRT&H specifications including all material, labour, machinery including suitable crane etc.</p>						
55	Please see Item Breakup for details.		599500.00	AT Par	599500.00		
55	<p>Description:- Providing and laying structural Reinforced cement concrete (design mix) of specified grade using mechanical concrete mixer and vibrator in approach slab, friction slab, edge beam, footpath and kerb as per approved drawing and specification as directed by the Engineer as per clause 1500 & 1700 of MoRT&H specification including all scaffolding, material, labour, machinery etc.</p>						
56	Please see Item Breakup for details.		13539050.00	AT Par	13539050.00		
56	<p>Description:- Providing and laying structural Reinforced cement concrete (design mix) of specified grade using batching plant, transit mixer, concrete pump and vibrator in approach slab, friction slab, edge beam, footpath and kerb as per approved drawing and specification as directed by the Engineer as per clause 1500 & 1700 of MoRT&H specification including all scaffolding, material, labour, machinery etc</p>						
57	1423	11200.00	Sqm	4620.00	51744000.00	AT Par	51744000.00
57	<p>Description:- Designing, providing and erection of Precast RCC fascia panels of thickness 180mm made with M-35 Grade concrete batching plant, transit mixer, concrete pump and vibrator for retaining earth with all elements and accessories including reinforcing element, complete as per approved drawing and clause 3100 of MoRT&H specifications including all material, labour, machinery etc. (Scope of work includes designing, getting approval, casting in yard including reinforcement, curing, storing, transporting, lifting, placing in position, erection with all necessary fasteners etc complete)</p>						
58	1424	125000.00	cum	383.00	47875000.00	AT Par	47875000.00
58	<p>Description:- Providing, placing and compacting to desired density approved backfill material in layers as per approved methodology including testing for reinforced fill portion and random fill portion in the approaches between the Reinforced Soil (RS) wall panels as per approved drawings as per clause 3103 of MoRT&H specification The soil should be predominately coarse grained not more than 10% of particle should pass 75 micron sieve The item shall be measured and paid for the finished volume of backfill and sub-grade placed in position excluding the volume of filter media at base and behind the RS walls.</p>						
59	1425	750.00	Tonne	65700.00	49275000.00	AT Par	49275000.00
59	<p>Description:- Supplying, fitting and placing TMT bar reinforcement in sub structure/ superstructure at all level complete as per drawing and clause 1600 & 2200 of MoRT&H Specification including all material, labour, machinery etc.</p>						
60	1427	130.00	cum	9720.00	1263600.00	AT Par	1263600.00

**WDFC FIELD UNIT-AJMER-CIVIL/WDFC
TENDER DOCUMENT**

Tender No: All-EN-WC-ROB-LC108-20-21

Closing Date/Time: 05/04/2021 15:00

	Description:- Providing and laying reinforced cement concrete wearing coat M-30 grade at any level including formwork and reinforcement @ 75kg/cum complete as per drawing and technical specification and as per clause 2702 of MoRT&H Specification including all material, labour, machinery etc.						
	Please see Item Breakup for details.			781000.00	AT Par	781000.00	
61	Description:- Providing and laying Precast Reinforced cement concrete slab for footpath and median with approved finish, constructed with specified grade concrete as per dimensions in the approved drawing and at locations directed by the Engineer including form work and excluding reinforcement and complete as per clause 1500 & 1700 of MoRT&H specification including all material, labour, machinery.						
	1429	60.00	Metre	1590.00	95400.00	AT Par	95400.00
62	Description:- Construction of precast/ cast-in-situ RCC railing M-30 grade, true to line and grade, center to center spacing between vertical post not to exceed 2000mm leaving adequate space between vertical post for expansion, complete as per drawing and technical specification and as per clause 1500, 1600, 1700 & 2703 of MoRT&H Specification including all material, labour, machinery etc.						
	1430	100.00	Metre	2870.00	287000.00	AT Par	287000.00
63	Description:- Providing and fixing Mild steel railing including painted, complete as per drawing and technical specification and as per clause 1900 & 2703.2 of MoRT&H Specification including all material, labour, machinery etc.						
	1432	80.00	Metre	9060.00	724800.00	AT Par	724800.00
64	Description:- Providing, laying and fixing of strip seal expansion joint catering to maximum horizontal movement upto 70 mm complete as per approved drawings and as per clause 2600 of MoRT&H specifications to be installed by manufacturer's authorized representative ensuring to compliance to manufacturer's instruction for installation including preparing the edges of bridge, welding to exposed reinforcement, concreting with design mix of grade of bridge or M-35 whichever is richer including all material, labour, machinery etc complete.						
	1433	40.00	Each	862.00	34480.00	AT Par	34480.00
65	Description:- Providing and erecting Drainage Spouts with 0.15m long GI pipe 150mm dia and GI bolt 10mm dia with Galvanised MS flat clamp complete as per drawing and Technical specification as per clause 2705 of MoRT&H specifications including all material, labour, machinery etc.						
	Please see Item Breakup for details.			12738000.00	AT Par	12738000.00	
66	Description:- Providing and constructing of Reinforced cement concrete crash barrier at the edges of the road, approaches to bridge structures and medians, constructed with specified grade concrete using mechanical mixer and vibrator with 450 mm long at expansion joints filled with pre-moulded asphalt filler board, keyed to the structure on which it is built and installed as per design and dimensions in the approved drawing and at locations directed by the Engineer, all as specified as per clause 809 of MoRT&H specification including all material, labour scaffolding etc						
	1438	100.00	Metre	4240.00	424000.00	AT Par	424000.00
67	Description:- Providing and erecting a "Thrie" metal beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail, 85 cm above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm spaced 2 m centre to centre, 2 m high with 1.15 m below ground level, all steel parts and fitments to be galvanised by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a space of channel section 150 x 75 x 5 mm, 546 mm long complete as per clause 810 of MoRT&H specification including all material, labour machinery etc.						
	1439	2365.00	Metre	1170.00	2767050.00	AT Par	2767050.00
68	Description:- Providing and fixing G.I. Pipes railing of 80 mm dia. (Class B) over brackets of 16 mm thick MS plate with 200 mm at bottom & 120 mm at top with 200 mm height welded to 16 mm thick MS Plates of size 200 X 175 anchored with 400 mm long 4-12 mm dia. steel bars at the top of RCC crash barrier @ 1.0m c/c including fixing arrangement as per the drawing, clause 800 of MoRTH specification and as per the direction of the Engineer.						
	1441	20.00	Sqm	355.00	7100.00	AT Par	7100.00
69	Description:- Providing and applying elastic, elastomeric membrane foming system with anti carbonation and breathing properties. The system should be based on solvent free acrylic polymer with selected minerals fillers and should be ultra violet resistant, crack bridging type, carbonation resistant, breathable, environment friendly, water proofing coating. for anti carbonation equivalent air layer thickness denoted as R or SDCO2 >= 50mm and for breathability equivalent air layer thickness denoted as SDH2O shall be <= 4mm for vapour transmitting barrier. The system consist of one coat primer namely PREMIX 250 or equivalent @ 75-100 g/sqm. The consumption of main polymer namely EMCECOLORFLEX or equivalent to give film thickness of 200-225 microns(solid content,70% +3%)should be application (either by roller or brush)and surface smoothness of concrete. The total dry film thickness of the coating should be min. 200 microns for the above system. Polymer coating should be in suitable shades, including cost of materials, cleaning, chipping and removing the dirt particles of the concrete slabs with wire brush & water, labour charges for filling the bug holes, cracks, joints etc. with one component polymer modified fine repair and cosmetic mortar, labour for applying above coating, scaffolding charges, all inclusive taxes.						
	1442	1900.00	Sqm	2650.00	5035000.00	AT Par	5035000.00

**WDFC FIELD UNIT-AJMER-CIVIL/WDFC
TENDER DOCUMENT**

Tender No: All-EN-WC-ROB-LC108-20-21

Closing Date/Time: 05/04/2021 15:00

70	Description:- Providing, fixing, maintaining, shifting & refixing, barricading of minimum 2.0 mtr height at stipulated active site of the same project site, made with angle iron frame of 50x50x5mm and GI sheet of 0.63mm thick including primer painted initially, painting, lettering & border with reflective paint at the time of every shifting, traffic diversion arrangement, safety guard, suitable lightning arrangement during night, complete in all respect till completion of the project as per technical specification and direction of Engineer-In-charge and same shall be possessed by the contractor after completion of the Project. Payment under this item will be released: (1) 50% At the time of Providing new barricading at the time of start of project at location and plan as approved by the Engineer & certification. (2) 50% After completion of project including shifting re-erecting and maintaining the barricading in position, during entire construction tenure with requisite manpower /flagman etc. complete for guiding traffic and safety etc and dismantling after completion of project.						
71	Please see Item Breakup for details.	174500.00	AT Par	174500.00			
71	Description:- Providing, lowering, laying in trenches, aligning, fixing in position and double flanged (welded) centrifugally (spun) Ductile iron ISI marked K-9 grade pipes as per IS:8329-2000 (amended upto date), (including jointing and jointing material) complete including all material, labour, hydraulic testing and commissioning as per Technical Specifications and as per direction of Engineer						
72	Please see Item Breakup for details.	978600.00	AT Par	978600.00			
72	Description:- Providing, lowering, laying, aligning, fixing in position at and jointing at all level/ depths ISI marked HDPE pipes of PE-100 grade & PN-6 for potable water as per IS 4984 (amended upto date) in trenches in complete including all material, labour, testing and commissioning as per Technical Specifications and as per direction of Engineer.						
73	292	16000.00	Kg	74.50	1192000.00	AT Par	1192000.00
73	Description:- 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:						
74	Please see Item Breakup for details.	283200.00	AT Par	283200.00			
74	Description:- 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.						
75	Please see Item Breakup for details.	1221000.00	AT Par	1221000.00			
75	Description:- Chequered 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).						
76	Please see Item Breakup for details.	660000.00	AT Par	660000.00			
76	Description:- 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						
77	Please see Item Breakup for details.	1493030.00	AT Par	1493030.00			
77	Description:- Finishing walls wit Acrylic Smooth exterior paint of required shade						
78	Please see Item Breakup for details.	18100.00	AT Par	18100.00			
78	Description:- Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.						
79	Please see Item Breakup for details.	23275.00	AT Par	23275.00			
79	Description:- Painting with synthetic enamel paint of approved brand and manufacturer of required colour to give even shade.						
80	3268	40000.00	Each	53.00	2120000.00	AT Par	2120000.00
80	Description:- Add extra over items of Cement Plaster / Cement Concrete Flooring/ Plain or RCC work providing and mixing admixture of synthetic fibre 6 mm / 12 mm @ rate of 125 gm. pack per 50 kg.of Cement or in the ratio of as specified by manufacture specification and direction of the Engineer with all leads and lifts. (unit each= per pack 125 gm)						
81	Please see Item Breakup for details.	429000.00	AT Par	429000.00			
81	Description:- Cleaning and removal of earth, silt, sludge, kankar, boulder, building material and garbage in existing nallah/drains including construction of bye pass arrangement to bye pass water with 1.5m lift from ground level and lead upto 50 m including foul & saturated condition where pumping out or bailing out of water is required, including shoring, shuttering where required and dewatering. Making access for disposal and dressing disposal side as per the directed of the Engineer.						
82	391	50.00	cum	170.00	8500.00	AT Par	8500.00
82	Description:- Trenching in specified soil up to a depth of 60 cm .including removal and stacking of serviceable materials and then disposal by spreading and neatly leveling within a lead of 50 meters and making up the trenches area to proper levels by filling with earth or earth mixed with sludge or/and farm -yard manure before and after flooding with water(excluding cost of imported earth and sludge or farm yard manure)						
83	393	50.00	cum	167.00	8350.00	AT Par	8350.00

**WDFC FIELD UNIT-AJMER-CIVIL/WDFC
TENDER DOCUMENT**

Tender No: All-EN-WC-ROB-LC108-20-21

Closing Date/Time: 05/04/2021 15:00

	Description:- Supplying and stacking good earth at site of work.Note: 1) Loading, unloading and carriage to be paid extra as per actual lead.2) Earth measured in stacks will be reduced by 20% for payment						
84	394	10.00	cum	847.00	8470.00	AT Par	8470.00
	Description:- Supply at site of work well decayed farm yard manure, from any available source, approved by the engineer in charge including screening and stacking.						
85	Please see Item Breakup for details.			5200.00		AT Par	5200.00
	Description:- Grassing with 'Doobs' grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for moving including supplying good earth if needed.						
86	3922	200.00	Metre	219.00	43800.00	AT Par	43800.00
	Description:- Planting permanent hedges including digging of trenches, 60 cm wide and 45 cm deep, refilling the excavated earth mixed with manure, supplied at the rate of 4.65 cum farmyard per 100 metres and supplying and planting hedge plants at 30 cm apart.						
87	3923	200.00	Metre	181.00	36200.00	AT Par	36200.00
	Description:- Maintenance of Hedge for one year						
88	3924	0.20	Kilometre	80300.00	16060.00	AT Par	16060.00
	Description:- Planting Flowering Plants and Shrubs in Central Verge						
89	3925	0.20	Kilometre	176100.00	35220.00	AT Par	35220.00
	Description:- Maintenance of Flowering Plants and Shrubs in Central Verge for one Year.						
90	3930	200.00	Each	1040.00	208000.00	AT Par	208000.00
	Description:- Planting of trees by the road side (Avenue trees) in 0.60 m dia holes, 1 m deep dug in the ground, mixing the soil with decayed farm yard/sludge manure, planting the saplings, backfilling the trench, watering, fixing the tree guard and maintaining the plants for one year.						
91	3926	200.00	Each	1990.00	398000.00	AT Par	398000.00
	Description:- Providing and fixing MS iron tree guard 60 cm dia and 2 metre high above ground level formed of 4 Nos (25 x 6 mm) and 8 Nos (25 x 3 mm) vertical MS riveted to 3 Nos (25 x 6 mm) iron rings in two halves, bolted together with 8 mm dia and 30 mm long bolts including painting two coats with paint of approved brand over a coat of priming, complete in all respects						
92	Please see Item Breakup for details.			59600.00		AT Par	59600.00
	Description:- S&F following sizes of ISI marked steel conduit along with heavy duty accessories in surface /recessed using saddles, clamps, fasteners as required including cutting the wall and making good the same as required.						
93	Please see Item Breakup for details.			59500.00		AT Par	59500.00
	Description:- Supplying and drawing FR PVC insulated & unsheathed flexible copper conductor ISI marked (IS:694) of 1.1 kV grade and approved make in existing surface or recessed conduit/casing capping including making connections etc. as required.						
94	Please see Item Breakup for details.			48800.00		AT Par	48800.00
	Description:- P&F 240/415 V MCB of breaking capacity not less than 10 KA (B/ C/ D tripping characteristic) ISI marked IS 8828(1996)]/ conforming to IEC 60898 in existing board/sheets including making connections with lugs, testing etc. as required.Double pole MCB						
95	Please see Item Breakup for details.			58500.00		AT Par	58500.00
	Description:- P&F Recessed/ Surface mounting heavy duty horizontal type sheet steel Distribution board phophatised/ powder painted complete with copper bus bar, shorting link ,neutral link, earth link and din bar, conforming to IS13032 & IS8623 including making internal DB terminations with copper lugs , testing etc. as required Double door (Three phase) Per phase isolation						
96	Please see Item Breakup for details.			52440.00		AT Par	52440.00
	Description:- P&F recessed/ surface mounting heavy duty Vertical type sheet steel Distribution board with provision of 8 way incomer, phophatised ,powder painted complete with insulated copper bus bar , neutral link, earth link and din bar, conforming to IS13032 & IS8623 including making internal DB terminations with copper lugs ,testing etc. as required Double door (Three phase)						
97	Please see Item Breakup for details.			12840.00		AT Par	12840.00
	Description:- P&F of thermoplastic/ PVC cable junction boxes of following minimum sizes with IP65/ IP55 protection including threaded cable glands made of polyamide material, terminals complete in all respect.						
98	Please see Item Breakup for details.			7459050.00		AT Par	7459050.00
	Description:- P/Laying XLPE insulated / P.V.C. sheathed cable of 1.1 KV grade with aluminium conductor Armoured of IS:7098-I/1554-1 approved make in ground as per IS:1255 including excavation of 30cmx75cm size trench, 25 cm thick under layer of sand, IInd class bricks covering, refilling earth, compaction of earth, making necessary connection, testing etc. as required of size.						
	Please see Item Breakup for details.			2304000.00		AT Par	2304000.00

**WDFC FIELD UNIT-AJMER-CIVIL/WDFC
TENDER DOCUMENT**

Tender No: All-EN-WC-ROB-LC108-20-21

Closing Date/Time: 05/04/2021 15:00

99	Description:- P & Laying XLPE insulated IS:7098/II/85 of approved make H.T.cable for working voltage 11 K.V.Earthed direct in ground including excavation of 30cmx100cm size trench, 25cm layer of river sand, IIInd class bricks covering, refilling earth, compaction of earth, making necessary connection testing etc.as required of size.						
	Please see Item Breakup for details.	88080.00	AT Par	88080.00			
100	Description:- Providing & making heat shrinkable type indoor/outdoor/straight through terminations/joint kit of approved make suitable for XLPE insulated 11 KV cable, with required components, preparation of cable ends, testing etc. as required of following sizes .						
	551	20.00	Each	1650.00	33000.00	AT Par	33000.00
101	Description:- Pipe Earthing as per IS:3043 with perforated 3.0 Mtr. Long, 40 mm dia. ' B ' class G.I. Pipe including all accessories like nut, bolts, reducer, nipple, wire meshed funnel, and C.C. finished chamber covered with hinged type with locking arrangement C.I. Cover, C.I. Frame of size 300mm x 300 mm and embodying the pipe complete with alternate layers salt and coke/ charcoal, testing of earth resistance as required.						
	Please see Item Breakup for details.						
				2000.00	AT Par	2000.00	
102	Description:- S & Laying following size earth wire/strip in horizontal or vertical run in ground/surface/ recess including riveting, soldering, saddles, making connection etc. as required.						
	Please see Item Breakup for details.						
				114800.00	AT Par	114800.00	
103	Description:- P & F IP-65 protected street light luminaire on existing bracket suitable for HPSV/ MH LAMP, made out from powder coated single piece die cast aluminium housing, electrochemically brightened and anodized POT optics aluminium reflector, heat resistant and toughened glass cover and accessories like copper ballast, electronic ignitor, capacitor, holder prewired up to terminal block etc. as required including making connection testing etc. as required (without lamp)						
	Please see Item Breakup for details.						
				28900.00	AT Par	28900.00	
104	Description:- P & F high pressure sodium vapour/ High pressure mercury vapour/ Metal halide/ halogen lamp as required						
	Please see Item Breakup for details.						
				2352000.00	AT Par	2352000.00	
105	Description:- Supply and erection of Octagonal pole of following length and dimension as per table E-20 with base plate on the cement concrete foundation of M-15 grade (1:1.5:3) with the help of anchor bolts of grade 6.8 (IS 1367 P III). The pole shall be made of S-355JO grade steel sheet , folded lengthwise to obtained Octagonal shape, having single longitudinal seam weld and hot dipped galvanised internally & externally in accordance with IS 2629. The pole shall have a weatherproof flush door and locking arrangements. The complete work shall be supervised and certified by the manufacturers for satisfactory supply, erection, testing and commissioning.(SEE TABLE)						
	Please see Item Breakup for details.						
				112200.00	AT Par	112200.00	
106	Description:- Supply, Erection and Fixing of hot dipped galvanised Overhang (60 X 3.25 mm) with cap (250 x 137.9 x 4.05 mm) over the existing poles						
	Please see Item Breakup for details.						
				5160000.00	AT Par	5160000.00	
107	Description:- P/ F IP-65/ IP-66 protected street light luminaries on existing bracket. Fixture made from powder coated single piece pressure die cast aluminium housing with heat dissipation fins on housing with high power LEDs of CREE/ NICHIA/ OSRAM/ PHILIPS make. Diffuser /glass cover for ensuring IP-65 protection for lamp and control gear compartment, system lumen output of 1500-8500 high power LED. Integrated driver shall be high efficiency having efficiency more than 85 % and in compliance to IEC standards. System life of 25000 burning hours with 70 % of initial lumens maintained. Fixture shall be in CE compliance.						
	Please see Item Breakup for details.						
				25760.00	AT Par	25760.00	
108	Description:- Supply and erection of P.C.C./R.C.C. pole as per REC manual no 15/1979 conforming to IS: 2905/1966 as per requirement of sec3 in alignment, including excavation of pit and back filling with stone aggregate/boulders and soil in 0.45m consolidating each deposited layer of 0.45m by ramming and watering etc complete in all respect						
	Please see Item Breakup for details.						
				12560.00	AT Par	12560.00	
109	Description:- Supply and erection of GI stay set as per Discom specification complete with long stay rod with anchor plate including stay clamps turn buckle and G.I stay wire tightened through strain insulator, in cement concrete 1:3:6 including excavation of pit-re-filling etc as reqd.						
	Please see Item Breakup for details.						
				8900.00	AT Par	8900.00	
110	Description:- Supplying and drawing overhead steel core Aluminium conductor (ACSR) ISI marked(IS 398 part II-1996) on existing cross arms through insulator with all necessary T&P required including binding and twisting etc. complete in all respect as required as per Discom specification.						
	Please see Item Breakup for details.						
				33975.00	AT Par	33975.00	
111	Description:- Supply and fixing 11kV Disc insulator (IS 731/ 1971) with minimum creepage distance of 300mm on existing bracket including all accessories like hot dipped GI spindle and nuts etc (as per specification of Discom).						
	6020	240.00	Metre	20.00	4800.00	AT Par	4800.00

112

**WDFC FIELD UNIT-AJMER-CIVIL/WDFC
TENDER DOCUMENT**

Tender No: All-EN-WC-ROB-LC108-20-21

Closing Date/Time: 05/04/2021 15:00

	Description:- Supplying and laying earth conductor from electrode to source in ground/ floor/ wall on iron saddles etc as required including making connection duly soldered or crimped 7/3.15 mm hot dipped stay wire.						
113	6022	2.00	Each	42500.00	85000.00	AT Par	85000.00
	Description:- Supply and fixing of pillar box made of 2mm CRCA MS sheet of 415 volts 3 phase 4 wire triple pole and neutral type, complete in all respect as required. Including knife switch, HRC fuses with copper one piece U contacts base, brass studs and nuts, copper busbar for main and interconnection, MS angle frame of 50 x 50 x 6 mm grouted with C.C. of M-10 grade to achieve the height of 1.5 feet above the road level suitable for four outgoing.(400Amp capacity)						
114	6023	3.00	Each	6050.00	18150.00	AT Par	18150.00
	Description:- Supply and fixing 100 Amp, 11kV Horn gap fuse set IS 9385 on existing DP structure with 6 nos 24kV/22kV post insulator (IS:5350 part III), hot dipped hard ware,fuse wire of required size etc. complete in all respect as per specification given by Discom. (Type tested by ERDA/CPRI)						
115	6024	3.00	Each	13200.00	39600.00	AT Par	39600.00
	Description:- Supply and fixing of 11kV, 400 Amp 3pole, central pot rotating double break type isolator (IS:9921 part I toV) without earth blade operating mechanism with GI spring loaded reverse loop type fixed contact, solid hard drawn electrolytic copper tubular moving contact with silver/ nickel plated at end points, 9 nos post insulator of 12 kV (IS:2554 & IS 5350 part III), hot dipped galvanising hard ware, nut, bolts etc complete in all respect as per specification of Discom.(Type tested by ERDA/CPRI.)						
116	6025	10.00	Each	2390.00	23900.00	AT Par	23900.00
	Description:- Supply and fixing of distribution type Lightning arrester 9 kV, 5 kA (IS:3070) with mounting breaking to be installed on existing DP structure. (Type tested by ERDA/CPRI.)						
117	6026	5.00	Each	8570.00	42850.00	AT Par	42850.00
	Description:- Supply and fixing double pole structure for 11/0.4 Kv substation as per Discom specification complete in all respect as required including nuts and bolts etc (excluding the cost of poles) made of MS channel of 4 nos 100 x 50 x 6mm and 4 nos 75 x 40 x 6mm and MS flat 50 x 6mm as per Discom specifications.						
118	Please see Item Breakup for details.				6500.00	AT Par	6500.00
	Description:- P&F of thermoplastic/ PVC cable junction boxes (United/ HPL make) of following sizes including clamps for holding the box, cost of DIN rail for MCB mounting, connectors for cables terminals, threaded cable glands made of polyamide material etc. complete in all respect.						
119	Please see Item Breakup for details.				56400.00	AT Par	56400.00
	Description:- Dismantling of existing LT/HTelectric lines including poles/towers, ACSR conductors, guard wires, stay wire, insulators and other electrical items of the pole coming along the alignment of the road or in the plant premises and removal and transportation as well as disposal of all the items as per the direction of engineer incharge.(Serviceable material or can-dum material.)						
120	Please see Item Breakup for details.				80000.00	AT Par	80000.00
	Description:- Fabrication supply and erection of new 11 KV line poles structures with all necessary required items for stringing the ACSR conductors insulators, V - cross arms, chakri, top hamper, brackets, stay and other items including reconnection of existing service lines of service connections.						
121	714	5.00	Each	55000.00	275000.00	AT Par	275000.00
	Description:- MAIN CUBICAL PANEL / STREET LIGHT CONTROL PANEL P/F testing & commissioning of kiosk type weather proof out door main cubical panel size 750 mm X 1250 mm X 500 mm (app.) made out of 14 gauge MS sheet front and back both side openable duely hinged door with locking arrangement by providing both side held draft and all required hard wares. The cubical should be dust and vermin proof followed by coat of zimpholite primer and finally two coats of enamel gray paint. The cubical should be mounted with hard ware on angle iron frame size 50 X 50 X 6 mm and 1500 legs duly painted framed be grouted 750 mm below ground level with cement concrete 1:3:6 in 1000 X 500 X 600 mm and providing brick masonry along angle iron frame above G.L. They shall be in two section comprising as follows: (i) Providing & Fixing 415 V ,TP combination double break HRC switch fuse unit ,100 Amp. Rating for incoming supply with HRC fuse 100 Amp rating and BCH/L&T/EE/ Siemens/ ABB . (ii) Providing fixing timer switch TSQ 100 series 240 Volts, and full running service standered mounting with base of L & T or equivalent make including the cost of contactor and 63 amp. 50 Hz. 440/400volt. (iii) P/F open busbars 25mmX3mm of required length duly covered by heat shrinkable sleeves with busbar supporters (iv) Provision for residual current operated 63 Amp. 1 Pole ELCB of MA to 300 MA sensitevely as required including making connections etc.(EE/Load stop make) (v) P/F Nos. 415 Volts Tpn combination double break switch fuse unit,63 Amp. Rating with HRC fuses (EE/mds/ SCHNEIDER bch/Siemens)for outgoing cable and making connection etc. also to have a provision for two nos. above switches. (vi) P/F of 3 nos. RYB phase indicator resistance type complete with lamp (Takaic/ac.). P/F HP danger plate of size 200 X 150 mm made of aluminium sheet 20 gauge. (vii) P/F cable glands double compression type and Al. lugs duly crimped for incoming cable and out going up to 5mm Cables. (viii) Providing 2 Nos. earth terminals including lugs and H/W duly inter connected with 8 SWG bars copper wire . (ix)Inter connection of main busbar to each out going switch and swathes to cable terminal shall be with 4 sqmm PVC copper conductor duly crimped with AL lugs. (x) Cable termination shall be fixed at backside of the panel with H/W and spring washers (xi) Light control switch with photo senser complete unit as required						

**WDFC FIELD UNIT-AJMER-CIVIL/WDFC
TENDER DOCUMENT**

Tender No: All-EN-WC-ROB-LC108-20-21

Closing Date/Time: 05/04/2021 15:00

122	718	35.00	Each	800.00	28000.00	AT Par	28000.00	
Description:- Providing cut point for LT line								
123	719	15.00	Each	1600.00	24000.00	AT Par	24000.00	
Description:- Providing cut point for 11 KV line								
124	7112	35.00	Each	8000.00	280000.00	AT Par	280000.00	
Description:- Providing of LT distribution pillar box, LT dis connector with 400amp I/C and 200 amp 3Nos O/G with abonite 8mm sheet, size 100mmx500mmx 700mm with top tampered for distribution transformer								
125	7114	170.00	Metre	798.00	135660.00	AT Par	135660.00	
Description:- Providing & Laying GI pipe 125mm dia B- Class								
126	7115	870.00	Metre	1050.00	913500.00	AT Par	913500.00	
Description:- Providing & Laying GI pipe 150mm dia B- Class								
127	Please see Item Breakup for details.				6504.00	AT Par	6504.00	
Description:- Dismantling and re - erection of P.C.C./R.C.C. pole as per REC manual no 15/1979 conforming to IS: 2905/1966 as per requirement of sec3 in alignment, including excavation of pit and back filling with stone aggregate/boulders and soil in 0.45m consolidating each deposited layer of 0.45m by ramming and watering etc complete in all respect								
128	Please see Item Breakup for details.				20400.00	AT Par	20400.00	
Description:- Dismantling and re-fixing 11kV Disc insulator (IS 731/ 1971) with minimum creepage distance of 300mm on existing bracket including all accessories like hot dipped GI spindle and nuts etc (as per specification of Discom).								
129	0168	8.00	Per Month	6000.00	48000.00	AT Par	48000.00	
Description:- Providing and supply of computer operator								
130	0218	200.00	Man-Days	350.00	70000.00	AT Par	70000.00	
Description:- Skilled Beldar								
131	0740	100.00	Metre	1185.00	118500.00	AT Par	118500.00	
Description:- GI pipe 150 mm dia "B" class.								
132	RUIDP 2013	1.00	Job	2000000.00	2000000.00	AT Par	2000000.00	
Description:- Execution of items not covered in any of the schedule under tender BOQ but essentially required to complete the contractual scope of work to Complete ROB & Approaches in all respect to be executed as per site requirement and payable as per RUIDP SOR 2013 items (Civil Works)								
133	AS PER LAR	1.00	Lumpsum	-58063723.55	-58063723.55	AT Par	-58063723.55	
Description:- Less 16.15% below SOR items for Sr. No. 1 to 132								

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule B-NS ITEMS							664720.00	
1	NS1	50.00	Per Day	2100.00	105000.00	AT Par	105000.00	
Description:- Providing One vehicles of SUV category INNOVA/ SCORPIO or equivalent with Driver and POL for requirement of Employer/ client as directed for any single day purpose movements limited to 150 kms per day & 12 hours average duty complete. (No other payment will be admissible except Toll tax and that will be reimbursable separately as per actual receipts).								
2	NS 2	8.00	Per Month	29350.00	234800.00	AT Par	234800.00	
Description:- Providing One vehicles of category INDIGO/SWIFT or equivalent with Driver and POL for requirement of Employer/ client as directed limited to 3000 kms per month & 12 hours/day average duty complete. (No other payment will be admissible except Toll tax and that will be reimbursable separately as per actual receipts). This item is additional to supply of vehicle mentioned in the tender document anywhere as incidental to the work.								
3	Please see Item Breakup for details.				324920.00	AT Par	324920.00	
Description:- Detailed Design and Drawing Preparation Consultancy work for ROB								

3. ITEM BREAKUP

Schedule	Schedule A-RUIDP SOR-2013
Item- 1	Carriage of material by mechanical transport including loading, unloading and stacking

**WDFC FIELD UNIT-AJMER-CIVIL/WDFC
TENDER DOCUMENT**

Tender No: All-EN-WC-ROB-LC108-20-21

Closing Date/Time: 05/04/2021 15:00

S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	111	Earth@lead for 5 Km	cum	9500.00	88.98	845310.00
2	113	Stone,boulders, gravelly material@lead for 5 Km	cum	300.00	83.74	25122.00
3	115	Brick Tiles @ lead for 5 Km	cum	100.00	113.89	11389.00
					Total	881821.00
Item- 2	Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable material with all lifts and up to a lead of 1000 mtrs and earth filling in the depression/pit to required compaction as per MoRT&H specification clause 201. (Measurment of girth to be done at height of 1 m above ground level)					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	211	Girth from 300 mm to 600 mm	Each	15.00	938.00	14070.00
2	212	Girth from 600 mm to 900 mm	Each	10.00	1180.00	11800.00
3	213	Girth from 900 mm to 1800 mm	Each	15.00	1880.00	28200.00
4	214	Girth from 1800 mm to 2700 mm	Each	5.00	3390.00	16950.00
5	215	Girth above 2700 mm	Each	1.00	6410.00	6410.00
					Total	77430.00
Item- 4	Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to a lead of 50 metres from road boundary including removal and disposal of top organic soil not exceeding 150 mm in thickness as directed by Engineer					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	231	In area of light jungle	Sqm	0.25	51200.00	12800.00
					Total	12800.00
Item- 5	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 50 metres as directed by Engineer					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	241	Lime Concrete, cement concrete grade M-10 (1:5:10) and below	cum	200.00	317.00	63400.00
2	242	Cement concrete M-15 & M-20 and PCC blocks	cum	200.00	771.00	154200.00
					Total	217600.00
Item- 6	Dismantling Brick / Tile work					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	2442	In cement mortar	cum	100.00	249.00	24900.00
					Total	24900.00
Item- 7	Dismantling Stone Masonry					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	2452	Rubble Stone Masonry in cement mortar	cum	100.00	249.00	24900.00
					Total	24900.00
Item- 8	Dismantling of flexible pavements and disposal of dismantled materials up to a lead of 50 metres, stacking serviceable and unserviceable materials separately as directed by Engineer.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	291	Bituminous courses	cum	40.00	1020.00	40800.00
2	292	Granular Course	cum	125.00	682.00	85250.00
					Total	126050.00
Item- 11	Earth work in excavation for roadway, including trimming bottom and side slopes in accordance with requirement of line, grades and cross sections, including disposal of surplus material with all lift and lead upto 1.0km as per MoRT&H specification clause 301.					

**WDFC FIELD UNIT-AJMER-CIVIL/WDFC
TENDER DOCUMENT**

Tender No: All-EN-WC-ROB-LC108-20-21

Closing Date/Time: 05/04/2021 15:00

S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	421	In all type of soil.	cum	3375.00	171.00	577125.00
					Total	577125.00
Item- 14	Compacting original ground					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	482	Loosening and recompacting original ground below embankment including Loosening levelling and recompacting original ground supporting embankment to facilitate placement of first layer of embankment, scarified to a depth of 150 mm, mixed with water at OMC and then compacted by rolling by vibratory roller 8-10 tonne so as to achieve minimum dry density as given in table 300-2 for embankment construction as per MoRT&H specification clause 305.3.4.	cum	2150.00	23.00	49450.00
					Total	49450.00
Item- 15	Earth work in excavation in foundation, trenches etc. including dressing of sides and ramming of bottoms, including getting out the excavated material, refilling after laying pipe/ foundation and disposal of surplus excavated material at a lead upto 50m suitable site as per direction of Engineer for following depths, below natural ground / Road top level In all types soils/ saturated soil such as moorum, sand, sandy silt, clay, black cotton soil, kankar, etc.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	4911	Depth upto 1.5m .	cum	39800.00	169.00	6726200.00
2	4912	Add extra for over all depth of excavation above 1.5 m and upto 3.0m over item no 4.9.1.1	cum	20000.00	25.50	510000.00
3	4913	Add extra for over all depth of excavation above 3.0 m and upto 4.5m over item no 4.9.1.1	cum	9950.00	54.50	542275.00
4	4914	Add extra for over all depth of excavation above 4.5 m and upto 6.0m over item no 4.9.1.1	cum	200.00	88.00	17600.00
					Total	7796075.00
Item- 16	In ordinary rock					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	4921	Depth upto 1.5m .	cum	6000.00	730.00	4380000.00
2	4922	Add extra for over all depth of excavation above 1.5 m and upto 3.0m over item no 4.9.2.1	cum	350.00	109.00	38150.00
3	4923	Add extra for over all depth of excavation above 3.0 m and upto 4.5m over item no 4.9.2.1	cum	100.00	236.00	23600.00
4	4924	Add extra for over all depth of excavation above 4.5 m and upto 6.0m over item no 4.9.2.1	cum	50.00	380.00	19000.00
					Total	4460750.00
Item- 17	In hard rock (required blasting) including Blasting materials					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	4931	Depth upto 1.5m .	cum	1150.00	1190.00	1368500.00
2	4932	Add extra for over all depth of excavation above 1.5 m and upto 3.0m over item no 4.9.3.1	cum	375.00	239.00	89625.00
3	4933	Add extra for over all depth of excavation above 3.0 m and upto 4.5m over item no 4.9.3.1	cum	50.00	525.00	26250.00
4	4934	Add extra for over all depth of excavation above 4.5 m and upto 6.0m over item no 4.9.3.1	cum	50.00	869.00	43450.00
					Total	1527825.00
Item- 18	In hard rock (Blasting prohibited)					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	4941	Depth upto 1.5m .	cum	150.00	2360.00	354000.00

**WDFC FIELD UNIT-AJMER-CIVIL/WDFC
TENDER DOCUMENT**

Tender No: All-EN-WC-ROB-LC108-20-21

Closing Date/Time: 05/04/2021 15:00

2	4942	Add extra for over all depth of excavation above 1.5 m and upto 3.0m over item no 4.9.4.1	cum	100.00	472.00	47200.00
3	4943	Add extra for over all depth of excavation above 3.0 m and upto 4.5m over item no 4.9.4.1	cum	75.00	1040.00	78000.00
4	4944	Add extra for over all depth of excavation above 4.5m and upto 6.0m over item no 4.9.4.1	cum	50.00	1720.00	86000.00
					Total	565200.00
Item- 19 SITE OFFICE						
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	5181	Providing, arranging, managing and maintaining 500 sqft. well furnished office and well equipped Laboratory with 3 tables, 10 chairs, 2 steel almirah, one computer with printer & operator, sufficient number of display etc. to the satisfaction of the Project Manager including Electrical, Water expenses etc. For execution of this item the date of start shall be considered only when the Contractor has actually rented/constructed the required premises established the office & Laboratory as per requirement. This item shall remain valid only for original contact period; no additional payment shall be made for whatsoever reason even if time extension if provided or date of completion is extended. This office and laboratory including furniture and all other equipment shall be property of contractor after completion of Project.	Month	8.00	18000.00	144000.00
					Total	144000.00
Item- 20 Providing, laying, spreading and compacting of granular sub-base by providing close graded Material, mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per MoRT&H specification clause - 401 including all material, labour, machinery, lighting, guarding and maintenance of diversion.						
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	711	Grading - I Material	cum	5000.00	1080.00	5400000.00
					Total	5400000.00
Item- 21 Providing laying, spreading and compacting stone aggregates of specific sizes as per Table 400-7 to Water Bound Macadam specification including spreading in uniform thickness; hand packing, rolling with power roller 8-10 tonnes, in stages to proper grade and camber, applying and brooming requisite type of screening (Table 400-8) binding materials to fill up the interstices of coarse aggregates, watering (with water browser) and compacting to required density, making necessary earthen bund to protect edges as per clause 404 of MoRT&H specification including all material, labour, machinery, lighting, guarding and maintenance of diversion complete						
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	754	Crusher Broken Grade III (53-22.4mm)	cum	1400.00	1480.00	2072000.00
					Total	2072000.00
Item- 27 Providing and laying 50-75 mm compacted thick design mix (approved by Engineer) Dense Bituminous Macadam on prepared surface with specified graded crushed aggregates as per Table 500-9, 500-10 with bitumen binder set (including cost of anti-stripping compound wherever required) for base/ binder course including loading of material with F.E. loader, heating and mixing of stone aggregate, filler and bitumen in computerised hot mix plant, transporting the mixed material by tippers to paver and laying with paver finisher fitted with electronic sensor control as per clause 504.3.5 to the required level and grade, compacting by power rollers and vibratory rollers or 150 to 250 KN pneumatic tyred roller with TP=0.7Mpa to achieve the desired density (approximately 2.3 tonne /cum) complete as per clause 507 of MoRT&H specification but excluding primer/tack coat, including all material, labour, machinery, lighting, guarding and maintenance of diversion.						
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	882	Grade-II with Bitumen VG-grade 30 @ 4.50 %, lime filler @ 2% (percent by weight of total mix)	cum	835.00	7130.00	5953550.00
					Total	5953550.00

**WDFC FIELD UNIT-AJMER-CIVIL/WDFC
TENDER DOCUMENT**

Tender No: All-EN-WC-ROB-LC108-20-21

Closing Date/Time: 05/04/2021 15:00

Item- 28	Providing and laying 30-45 mm compacted thickness Bituminous Concrete as per design mix (approved by Engineer) on prepared surface with specified grade stone aggregate as per Table - 500-18 with bitumen for wearing course including loading of aggregate with F.E. loader and hot mixing of stone aggregate and bitumen (including cost of anti-stripping compound wherever required) in computerised hot mix plant, transporting the mixed material by tippers to paver and laying with paver finisher fitted with electronic sensing device (as per clause 504-3.5) to the required level and grade and compacting by power rollers and vibratory rollers or 150 to 250 KN pneumatic tyred roller with TP=0.7Mpa, to achieve the desired density complete as per clause 509 of MoRT&H specification including all material, labour, machinery, lighting, guarding and maintenance of diversion but excluding primer/tack coat.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	8102	Grade-II with bitumen of grade CRMB-60 @ 6% (percent by weight of total mix)	cum	520.00	8870.00	4612400.00
					Total	4612400.00
Item- 31	Painting two coats on specified surface with synthetic enamel paint of approved brand and shade, after thorough cleaning and necessary filling to give even shade as per clause 803 of MoRT&H Specification including all material, labour.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1051	On New Plastered concrete Surface	Sqm	2500.00	83.00	207500.00
					Total	207500.00
Item- 33	Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign as per IRC :67 made of encapsulated lens type reflective sheeting vide clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 3 metre long and size 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing including all material, labour.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1091	90 cm equilateral triangle	Each	20.00	4130.00	82600.00
2	1093	60 cm circular	Each	20.00	3660.00	73200.00
3	1094	80 mm x 60 mm rectangular	Each	20.00	5050.00	101000.00
4	1097	90 cm high octagon	Each	10.00	6390.00	63900.00
					Total	320700.00
Item- 34	Providing and erecting overhead signs with a corrosion resistant 2mm thick aluminium alloy sheet reflectorised with high intensity retro-reflective sheeting of encapsulated lens type with vertical and lateral clearance given in clause 802.2 and 802.3 and installed as per clause 802.7 over a designed support system of galvanised steel trestles and trusses of sections and type as per structural design requirements and approved plans.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	10131	Truss and Vertical Support	Tonne	12.00	86900.00	1042800.00
2	10132	Aluminium alloy plate for over head sign	Sqm	85.00	1300.00	110500.00
					Total	1153300.00
Item- 41	Providing, laying and compacting plain/ reinforced cement concrete of specified grade in foundation/ leveling course/ pile cap using concrete mixer and vibrater complete including cost of form work, as per drawing and technical specifications and as per clause 1100, 1500, 1700, 2100 of MoRT&H specification including all scaffolding material, labour, machinery					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1341	PCC Grade M -15	cum	210.00	3840.00	806400.00
2	1342	PCC Grade M -20	cum	1140.00	4310.00	4913400.00
					Total	5719800.00
Item- 42	Providing, laying and compacting design mix plain/ reinforced cement concrete of specified grade in foundation/ leveling course/pile cap using batching plant, transit mixer and concrete pump and vibrater including cost of form work, complete as per drawing and technical specifications as per clause 1100, 1500,1700,2100 of MoRT&H specification including all material, labour, machinery, and maintenance of diversion					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1358	RCC Grade M -35	cum	450.00	5100.00	2295000.00
					Total	2295000.00

**WDFC FIELD UNIT-AJMER-CIVIL/WDFC
TENDER DOCUMENT**

Tender No: All-EN-WC-ROB-LC108-20-21

Closing Date/Time: 05/04/2021 15:00

Item- 44	Providing and laying structural plain/ reinforced cement concrete (design mix) of specified grade in substructure at all levels using concrete mixer and vibrater, including cost of form work, as per drawing and technical specifications complete as per clause 1500, drawing and technical specifications complete as per clause 1500, 1700 and 2200 of MoRT&H specification including all material, labour, scaffolding etc.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1465	RCC Grade M -25	cum	100.00	5150.00	515000.00
2	1467	RCC Grade M -35	cum	100.00	5250.00	525000.00
					Total	1040000.00
Item- 45	Providing and laying structural plain/ reinforced cement concrete (design mix) of specified grade in substructure at all levels using batching plant transit mixer , concrete pump and vibrater, including cost of form work, as per drawing and technical specifications complete as per drawing and clause 1500,1700and2200 of MoRT&H specification including all material, labour, scaffolding ,machinery etc.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1472	RCC Grade M-25	cum	100.00	5460.00	546000.00
2	1474	RCC Grade M-35	cum	370.00	5560.00	2057200.00
					Total	2603200.00
Item- 46	Providing weep holes in brick/ stone masonry/ Plain/ Reinforced concrete abutment, wing wall/ return wall with following dia AC pipe, extending through the full width of the structure with slope of 1V : 20H towards drawing face complete as per drawing, technical specifications and clause 2205 of MoRT&H Specification including all scaffolding, material, labour, machinery etc.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1481	100 mm dia	Metre	450.00	104.00	46800.00
					Total	46800.00
Item- 50	Back filing in foundation, trench behind abutment, wing wall and return wall etc and below pipe bed in layers not exceeding 20cm in depth, consolidating each deposited layer compacted by mechanical means with all lead and lift as per drawing and technical specification including all material, labour, machinery as per clause 2100 and 2200 of MoRT&H specification including all material, labour, machinery.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	14121	Using selected granular material (as per clause 2200 of MoRT&H).	cum	620.00	836.00	518320.00
					Total	518320.00
Item- 53	Providing and laying structural reinforced/ prestressed cement concrete (design mix) of specified grade using batching plant, transit mixer, concrete pump and vibrater in superstructure at all levels including cost of steel form work complete as per clause 1500, 1600 and 1700 of MoRT&H specification including all scaffolding, material, labour, machinery etc RCC/PSC Grade M -40					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	141742	For T-beam & slab	cum	1750.00	6410.00	11217500.00
					Total	11217500.00
Item- 54	Providing, precasting, transportation and placing in position at all level precast pre/post-tensioned specified grade girders complete as per drawing and clause 1800 & 2300 of MoRT&H specifications including all material, labour, machinery including suitable crane etc.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	14181	RCC M-40	cum	120.00	21200.00	2544000.00
					Total	2544000.00
Item- 55	Providing and laying structural Reinforced cement concrete (design mix) of specified grade using mechanical concrete mixer and vibrater in approach slab, friction slab, edge beam, footpath and kerb as per approved drawing and specification as directed by the Engineer as per clause 1500 &1700 of MoRT&H specification including all scaffolding, material, labour, machinery etc.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	14211	RCC M-30	cum	50.00	5980.00	299000.00
2	14212	RCC M-35	cum	50.00	6010.00	300500.00

**WDFC FIELD UNIT-AJMER-CIVIL/WDFC
TENDER DOCUMENT**

Tender No: All-EN-WC-ROB-LC108-20-21

Closing Date/Time: 05/04/2021 15:00

						Total	599500.00	
Item- 56	Providing and laying structural Reinforced cement concrete (design mix) of specified grade using batching plant, transit mixer, concrete pump and vibrater in approach slab, friction slab, edge beam, footpath and kerb as per approved drawing and specification as directed by the Engineer as per clause 1500 &1700 of MoRT&H specification including all scaffolding, material, labour, machinery etc							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	14222	RCC M-35	cum	2090.00	6340.00	13250600.00		
2	14223	RCC M-40	cum	45.00	6410.00	288450.00		
						Total	13539050.00	
Item- 61	Providing and laying Precast Reinforced cement concrete slab for footpath and median with approved finish, constructed with specified grade concrete as per dimensions in the approved drawing and at locations directed by the Engineer including form work and excluding reinforcement and complete as per clause 1500 & 1700 of MoRT&H specification including all material, labour, machinery.							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	14282	RCC M-25	cum	100.00	5200.00	520000.00		
2	14283	RCC M-30	cum	50.00	5220.00	261000.00		
						Total	781000.00	
Item- 66	Providing and constructing of Reinforced cement concrete crash barrier at the edges of the road, approaches to bridge structures and medians, constructed with specified grade concrete using mechanical mixer and vibrator with 450 mm long at expansion joints filled with pre-moulded asphalt filler board, keyed to the structure on which it is built and installed as per design and dimensions in the approved drawing and at locations directed by the Engineer, all as specified as per clause 809 of MoRT&H specification including all material, labour scaffolding etc							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	14353	RCC M-35	cum	2200.00	5790.00	12738000.00		
						Total	12738000.00	
Item- 71	Providing, lowering, laying in trenches, aligning, fixing in position and double flanged (welded) centrifugally (spun) Ductile iron ISI marked K-9 grade pipes as per IS:8329-2000 (amended upto date), (including jointing and jointing material) complete including all material, labour, hydraulic testing and commissioning as per Technical Specifications and as per direction of Engineer							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	1962	150 mm	Metre	50.00	3490.00	174500.00		
						Total	174500.00	
Item- 72	Providing, lowering, laying, aligning, fixing in position at and jointing at all level/ depths ISI marked HDPE pipes of PE-100 grade & PN-6 for potable water as per IS 4984 (amended upto date) in trenches in complete including all material, labour, testing and commissioning as per Technical Specifications and as per direction of Engineer.							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	19141	90 mm dia	Metre	1000.00	218.00	218000.00		
2	19145	160 mm dia	Metre	1000.00	664.00	664000.00		
3	19149	250 mm dia	Metre	60.00	1610.00	96600.00		
						Total	978600.00	
Item- 74	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.							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	29252	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	Kg	3200.00	88.50	283200.00		
						Total	283200.00	
Item- 75	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).							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	30203	Dark shade using ordinary cement.	Sqm	1850.00	660.00	1221000.00		

**WDFC FIELD UNIT-AJMER-CIVIL/WDFC
TENDER DOCUMENT**

Tender No: All-EN-WC-ROB-LC108-20-21

Closing Date/Time: 05/04/2021 15:00

						Total	1221000.00	
Item- 76	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							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	31412	110 mm diameter	Metre	3000.00	220.00	660000.00		
						Total	660000.00	
Item- 77	Finishing walls wit Acrylic Smooth exterior paint of required shade							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	32351	New work (two or more coat applied @ 1.67 ltr./10 sqm over and including base coat of water proofing cement paint applied @ 2.20 kg / 10 sqm.)	Sqm	19390.00	77.00	1493030.00		
						Total	1493030.00	
Item- 78	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	32411	On steel work	Sqm	50.00	118.00	5900.00		
2	32412	On concrete work	Sqm	100.00	122.00	12200.00		
						Total	18100.00	
Item- 79	Painting with synthetic enamel paint of approved brand and manufacturer of required colour to give even shade.							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	32501	Two or more coats on new work	Sqm	350.00	66.50	23275.00		
						Total	23275.00	
Item- 81	Cleaning and removal of earth, silt, sludge, kankar, boulder, building material and garbage in existing nallah/drains including construction of bye pass arrangement to bye pass water with 1.5m lift from ground level and lead upto 50 m including foul & saturated condition where pumping out or bailing out of water is required, including shoring, shuttering where required and dewatering. Making access for disposal and dressing disposal side as per the directed of the Engineer.							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	35221	Depth upto 1.50 m	cum	1500.00	286.00	429000.00		
						Total	429000.00	
Item- 85	Grassing with 'Doobs' grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for moving including supplying good earth if needed.							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	39122	In rows 7.5 cm apart in either direction	Sqm	200.00	26.00	5200.00		
						Total	5200.00	
Item- 92	S&F following sizes of ISI marked steel conduit along with heavy duty accessories in surface /recessed using saddles, clamps, fasteners as required including cutting the wall and making good the same as required.							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	4345	50 mm Group 1	Metre	200.00	298.00	59600.00		
						Total	59600.00	
Item- 93	Supplying and drawing FR PVC insulated & unsheathed flexible copper conductor ISI marked (IS:694) of 1.1 kV grade and approved make in existing surface or recessed conduit/casing capping including making connections etc. as required.							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	4417	2 x 2.5 sq.mm group 1	Metre	1500.00	36.00	54000.00		
2	4419	3 x 2.5 sq.mm group 1	Metre	100.00	55.00	5500.00		
						Total	59500.00	

**WDFC FIELD UNIT-AJMER-CIVIL/WDFC
TENDER DOCUMENT**

Tender No: All-EN-WC-ROB-LC108-20-21

Closing Date/Time: 05/04/2021 15:00

Item- 94	P&F 240/415 V MCB of breaking capacity not less than 10 KA (B/ C/ D tripping characteristic) ISI marked IS 8828(1996)]/ conforming to IEC 60898 in existing board/sheets including making connections with lugs, testing etc. as required.Double pole MCB					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	46121	6 A to 32 A rating group 1	Each	100.00	488.00	48800.00
					Total	48800.00
Item- 95	P&F Recessed/ Surface mounting heavy duty horizontal type sheet steel Distribution board phophatised/ powder painted complete with copper bus bar, shorting link ,neutral link, earth link and din bar, conforming to IS13032 & IS8623 including making internal DB terminations with copper lugs , testing etc. as required Double door (Three phase) Per phase isolation					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	46562	2+12 Way	Each	6.00	9750.00	58500.00
					Total	58500.00
Item- 96	P&F recessed/ surface mounting heavy duty Vertical type sheet steel Distribution board with provision of 8 way incomer, phophatised ,powder painted complete with insulated copper bus bar , neutral link, earth link and din bar, conforming to IS13032 & IS8623 including making internal DB terminations with copper lugs ,testing etc. as required Double door (Three phase)					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	461024	12 Way	Each	6.00	8740.00	52440.00
					Total	52440.00
Item- 97	P&F of thermoplastic/ PVC cable junction boxes of following minimum sizes with IP65/ IP55 protection including threaded cable glands made of polyamide material, terminals complete in all respect.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	48224	150 x 110 x 70 (mm)) (10 Sq. mm)	Each	20.00	642.00	12840.00
					Total	12840.00
Item- 98	P/Laying XLPE insulated / P.V.C. sheathed cable of 1.1 KV grade with aluminium conductor Armoured of IS:7098-I/1554-1 approved make in ground as per IS:1255 including excavation of 30cmx75cm size trench, 25 cm thick under layer of sand, IInd class bricks covering, refilling earth, compaction of earth, making necessary connection, testing etc. as required of size.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	51121	4.0 Sq.mm 2 core group-2	Metre	700.00	104.00	72800.00
2	51143	10.0 Sq.mm 4 core group-2	Metre	9280.00	149.00	1382720.00
3	51164	25 Sq.mm 4 core, group-I	Metre	250.00	221.00	55250.00
4	51174	35.0 Sq.mm 3.5 core, group-I	Metre	100.00	245.00	24500.00
5	51184	50Sq mm 3.5 core group-2	Metre	4500.00	263.00	1183500.00
6	511114	120Sqmm 3.5 core group-2	Metre	2500.00	505.00	1262500.00
7	511134	185Sq mm 3.5 core group-I	Metre	4170.00	834.00	3477780.00
					Total	7459050.00
Item- 99	P & Laying XLPE insulated IS:7098/II/85 of approved make H.T.cable for working voltage 11 K.V.Earthed direct in ground including excavation of 30cmx100cm size trench, 25cm layer of river sand, IInd class bricks covering, refilling earth, compaction of earth, making necessary connection testing etc.as required of size.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	5317	3 core 185.0 Sq.mm	Metre	1800.00	1280.00	2304000.00
					Total	2304000.00
Item- 100	Providing & making heat shrinkable type indoor/outdoor/straight through terminations/joint kit of approved make suitable for XLPE insulated 11 KV cable, with required components, preparation of cable ends, testing etc. as required of following sizes .					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	53223	Outdoor 3 core 120/150/185/225 Sq.mm	Set	16.00	3465.00	55440.00
2	53233	Straight Through 3 core 120/150/185/225 Sq.mm	Set	4.00	8160.00	32640.00

**WDFC FIELD UNIT-AJMER-CIVIL/WDFC
TENDER DOCUMENT**

Tender No: All-EN-WC-ROB-LC108-20-21

Closing Date/Time: 05/04/2021 15:00

						Total	88080.00	
Item- 102	S & Laying following size earth wire/strip in horizontal or vertical run in ground/surface/ recess including riveting, soldering, saddles, making connection etc. as required.							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	5545	8 SWG G.I. Wire	Metre	250.00	8.00	2000.00		
						Total	2000.00	
Item- 103	P & F IP-65 protected street light luminaire on existing bracket suitable for HPSV/ MH LAMP, made out from powder coated single piece die cast aluminium housing, electrochemically brightened and anodized POT optics aluminium reflector, heat resistant and toughened glass cover and accessories like copper ballast, electronic ignitor, capacitor, holder prewired up to terminal block etc. as required including making connection testing etc. as required (without lamp)							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	5933	1 X 250 Watt group-I	Each	20.00	5740.00	114800.00		
						Total	114800.00	
Item- 104	P & F high pressure sodium vapour/ High pressure mercury vapour/ Metal halide/ halogen lamp as required							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	591213	HPSV Elliptical lamp normal output 250 watt group-I	Each	50.00	578.00	28900.00		
						Total	28900.00	
Item- 105	Supply and erection of Octagonal pole of following length and dimension as per table E-20 with base plate on the cement concrete foundation of M-15 grade (1:1.5:3) with the help of anchor bolts of grade 6.8 (IS 1367 P III). The pole shall be made of S-355JO grade steel sheet , folded lengthwise to obtained Octagonal shape, having single longitudinal seam weld and hot dipped galvanised internally & externally in accordance with IS 2629. The pole shall have a weatherproof flush door and locking arrangements. The complete work shall be supervised and certified by the manufacturers for satisfactory supply, erection, testing and commissioning.(SEE TABLE)							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	59214	10 Mtr. Group 1	Each	120.00	19600.00	2352000.00		
						Total	2352000.00	
Item- 106	Supply, Erection and Fixing of hot dipped galvanised Overhang (60 X 3.25 mm) with cap (250 x 137.9 x 4.05 mm) over the existing poles							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	59221	Single arm overhang group 1	Each	120.00	935.00	112200.00		
						Total	112200.00	
Item- 107	P/ F IP-65/ IP-66 protected street light luminaries on existing bracket. Fixture made from powder coated single piece pressure die cast aluminium housing with heat dissipation fins on housing with high power LEDs of CREE/ NICHIA/ OSRAM/ PHILIPS make. Diffuser /glass cover for ensuring IP-65 protection for lamp and control gear compartment, system lumen output of 1500-8500 high power LED. Integrated driver shall be high efficiency having efficiency more than 85 % and in compliance to IEC standards. System life of 25000 burning hours with 70 % of initial lumens maintained. Fixture shall be in CE compliance.							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	593414	IP-65 protected LED street light luminaries LED street light fixture 110-120 watt group-I	Each	120.00	43000.00	5160000.00		
						Total	5160000.00	
Item- 108	Supply and erection of P.C.C./R.C.C. pole as per REC manual no 15/1979 conforming to IS: 2905/1966 as per requirement of sec3 in alignment, including excavation of pit and back filling with stone aggregate/boulders and soil in 0.45m consolidating each deposited layer of 0.45m by ramming and watering etc complete in all respect							
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount		
1	6032	9.0 Mtr long as per Discom specification	Each	8.00	3220.00	25760.00		
						Total	25760.00	
Item- 109	Supply and erection of GI stay set as per Discom specification complete with long stay rod with anchor plate including stay clamps turn buckle and G.I stay wire tightened through strain insulator, in cement concrete 1:3:6 including excavation of pit-re-filling etc as reqd.							

**WDFC FIELD UNIT-AJMER-CIVIL/WDFC
TENDER DOCUMENT**

Tender No: All-EN-WC-ROB-LC108-20-21

Closing Date/Time: 05/04/2021 15:00

S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	6042	Stay set of dia 16mm,1.8m long stay rod and anchor plate 300x300x6.4mm	Each	16.00	785.00	12560.00
					Total	12560.00
Item- 110	Supplying and drawing overhead steel core Aluminium conductor (ACSR) ISI marked (IS 398 part II-1996) on existing cross arms through insulator with all necessary T&P required including binding and twisting etc. complete in all respect as required as per Discom specification.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	6095	100sqmm of (6/4.72 mm+1/1.57 mm) (Dog)	Metre	100.00	89.00	8900.00
					Total	8900.00
Item- 111	Supply and fixing 11kV Disc insulator (IS 731/ 1971) with minimum creepage distance of 300mm on existing bracket including all accessories like hot dipped GI spindle and nuts etc (as per specification of Discom).					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	60181	B & S type hardware & insulator	Each	15.00	965.00	14475.00
2	60182	T & C type hardware & insulator	Each	30.00	650.00	19500.00
					Total	33975.00
Item- 118	P&F of thermoplastic/ PVC cable junction boxes (United/ HPL make) of following sizes including clamps for holding the box, cost of DIN rail for MCB mounting, connectors for cables terminals, threaded cable glands made of polyamide material etc. complete in all respect.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	60315	supply and installation of spike of M.S rod 20mm dia 3.0 mtr long for earthing of (tower/pole) drive into earth by mechanical means structure connecting the spike with cross arm top hamper PCC pole, lattices tower to earth etc. complete as per technical specification of DISCOM.	Each	10.00	650.00	6500.00
					Total	6500.00
Item- 119	Dismantling of existing LT/HT electric lines including poles/towers, ACSR conductors, guard wires, stay wire, insulators and other electrical items of the pole coming along the alignment of the road or in the plant premises and removal and transportation as well as disposal of all the items as per the direction of engineer incharge. (Serviceable material or can-dum material.)					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	7111	Dismantling of 33KV Lattice Tower (580 kg/520kg) with all accessories brackets, top hamper, chakri, V-Cross arms guard bracket, stay, insulators (pin /disc) etc.	Each	2.00	3000.00	6000.00
2	7116	Dismantling of LT line /joist/rail pole (PCC 8/9 mtr height) with existing street light fixtures, brackets, top hamper, earth guarding bracket, insulators, stay etc with ACSR conductor, 3 phase/ single phase, one neutral one earthwire and one street light phase)	Each	20.00	1200.00	24000.00
3	7119	Dismantling and rerolling of 11KV conductor any type	Metre	300.00	8.00	2400.00
4	71113	Dismantling and reinstallation of 11KV Feeder pillar box any type	Each	8.00	3000.00	24000.00
					Total	56400.00
Item- 120	Fabrication supply and erection of new 11 KV line poles structures with all necessary required items for stringing the ACSR conductors insulators, V - cross arms, chakri, top hamper, brackets, stay and other items including reconnection of existing service lines of service connections.					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	7122	11 KV pole 10 mtr height. (single phase/3 phase) R.S joist	Each	8.00	10000.00	80000.00
					Total	80000.00

**WDFC FIELD UNIT-AJMER-CIVIL/WDFC
TENDER DOCUMENT**

Tender No: All-EN-WC-ROB-LC108-20-21

Closing Date/Time: 05/04/2021 15:00

Item- 127	Dismantling and re - erection of P.C.C./R.C.C. pole as per REC manual no 15/1979 conforming to IS: 2905/1966 as per requirement of sec3 in alignment, including excavation of pit and back filling with stone aggregate/boulders and soil in 0.45m consolidating each deposited layer of 0.45m by ramming and watering etc complete in all respect					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	7212	9.0 Mtr long as per Discom specification	Each	8.00	813.00	6504.00
					Total	6504.00
Item- 128	Dismantling and re-fixing 11kV Disc insulator (IS 731/ 1971) with minimum creepage distance of 300mm on existing bracket including all accessories like hot dipped GI spindle and nuts etc (as per specification of Discom).					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	72161	B & S type insulator with hardware	Each	35.00	300.00	10500.00
2	72162	T & C type insulator with hardware	Each	60.00	165.00	9900.00
					Total	20400.00
Schedule	Schedule B-NS ITEMS					
Item- 3	Detailed Design and Drawing Preparation Consultancy work for ROB					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	Submission of all Detailed Design, Detailed Working /Construction Drawing etc. to DFCCIL after proof checked by IIT Delhi/ NIT/any other proof checking consultant approved by DFCCIL and approved Clients and Railways for Foundation, Sub-Structure, Approaches, Launching Scheme, Super Structure and any leftover part for ROB. (Upon issue of completion certificate this item will be considered)	Lumpsum	1.00	220100.00	220100.00
2	2	Providing design support during construction like modifications in design, redesign / clarifications as per site requirement and submission of completion drawing / report (Upon issue of completion certificate this item will be considered)	Lumpsum	1.00	104820.00	104820.00
					Total	324920.00

4. ELIGIBILITY CONDITIONS

Special Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Financial Eligibility Criteria: The tenderer must have received contractual payments in the previous three financial years and the current financial year up to the date of inviting of tender, at least 150% of the advertised value of the tender. The tenderers shall submit Certificates to this effect which may be an attested Certificate from the concerned department / client and/or Audited Balance Sheet duly certified by the Chartered Accountant /Certificate from Chartered Accountant duly supported by Audited Balance Sheet. Note: Client certificate from other than Govt. Organization should be duly supported by Form 16A/26AS generated through TRACES of Income Tax Department of India. Note: Contractual payment received by a Member in an earlier JV shall be reckoned only to the extent of the concerned member's share in that JV for the purpose of satisfying compliance of the above mentioned financial eligibility criteria in the tender under consideration	No	No	Allowed (Mandatory)

Special Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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**WDFC FIELD UNIT-AJMER-CIVIL/WDFC
TENDER DOCUMENT**

Tender No: All-EN-WC-ROB-LC108-20-21

Closing Date/Time: 05/04/2021 15:00

1	Technical Eligibility Criteria The tenderer must have successfully 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 the tender, or Two similar works, each costing not less than the amount equal to 40% of advertised value of the tender, or One similar work, each costing not less than the amount equal to 60% of advertised value of the tender. Note:- The similar nature of work defined is "construction of Bridge/ROB/ Viaduct of Railway / Metro Railway / Road with minimum one span of composite /open web/plate girder".	No	No	Allowed (Mandatory)
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Special Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Financial Eligibility for JV- The JV shall satisfy the requirement of "Financial Eligibility" mentioned at para 10.2 above. The "financial capacity" of the lead partner of JV shall not be less than 51% of the financial eligibility criteria mentioned at para 10.2 above. The arithmetic sum of individual "financial capacity" of all the members shall be taken as JV's "financial capacity" to satisfy this requirement. Note: Contractual payment received by a Member in an earlier JV shall be reckoned only to the extent of the concerned member's share in that JV for the purpose of satisfying compliance of the above mentioned financial eligibility criteria in the tender under consideration	No	No	Allowed (Mandatory)

Special Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Technical Eligibility Criteria for JV ('a' or 'b' mentioned hereunder): (a) For Works without composite components The technical eligibility for the work as per para 10.1 above, shall be satisfied by either the 'JV in its own name & style' or 'any member having min 26% share'. Each other member of JV shall have technical capacity of minimum 10% of the cost of work i.e., each JV member must have satisfactorily completed during the last 07 (seven) years, ending last day of month previous to the one in which tender is invited, one similar single work for a minimum of 10% of advertised value of the tender. (b) For works with composite components (i)The technical eligibility for each component of work as per para 10.1 above, shall be satisfied by either the 'JV in its own name & style' or 'any member of JV having min 26% share'. Each other member of JV shall have technical capacity of minimum 10% of the cost of any component of work i.e., each JV member must have satisfactorily completed during the last 07 (seven) years, ending last day of month previous to the one in which tender is invited, one similar single work for a minimum of 10% of cost of any component of work. OR (ii) The technical eligibility for major component of work as per para 10.1 above, shall be satisfied by either the 'JV in its own name & style' or 'any member of JV having min 26% share' and technical eligibility for other components of work as per para 10.1 above, shall be satisfied by either the 'JV in its own name & style' or 'any member of the JV'. Each other member of JV shall have technical capacity of minimum 10% of the cost of any component of work. i.e., each JV member must have satisfactorily completed during the last 07 (seven) years, ending last day of month previous to the one in which tender is invited, one similar single work for a minimum of 10% of cost of any component of work. Note for Clause 17.15.1: (a)The Major component of the work for this purpose shall be the component of work having highest value. In cases where value of two or more component of work is same, any one work can be classified as Major component of work. (b)Value of a completed work done by a Member in an earlier JV shall be reckoned only to the extent of the concerned member's share in that JV for the purpose of satisfying his/her compliance to the above mentioned technical eligibility criteria in the tender under consideration.	No	No	Allowed (Mandatory)

5. COMPLIANCE

Check Lst

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per mentioned in Tender Document.	No	No	Not Allowed

Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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**WDFC FIELD UNIT-AJMER-CIVIL/WDFC
TENDER DOCUMENT**

Tender No: All-EN-WC-ROB-LC108-20-21

Closing Date/Time: 05/04/2021 15:00

1	As per mentioned in Tender Document.	No	No	Allowed (Mandatory)
2	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.	No	Yes	Allowed (Optional)

General Instructions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per mentioned in Tender Document.	No	No	Not Allowed

Special Conditions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per mentioned in Tender Document.	No	No	Not Allowed

Technical-Compliances

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per mentioned in Tender Document.	No	No	Allowed (Mandatory)

Undertakings

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per mentioned in Tender Document.	No	No	Not Allowed

6. Documents attached with tender

S.No.	Document Name	Document Description
1	UploadROB-108.pdf	TENDER DOCUMENT

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: SUKH PAL SINGH

Designation : DYPMROB