

To

M/s Narula Buildwel pvt Ltd,
26-Sanjay Gandhi Market,
Goal Bagh, Amritsar.

Memo No. 2786

Dated 18/12/2023

Subject: Construction of road from Amritsar Mehta Road adda Boparai to Gehri Naraingarh road along UBDC Kasoor Lower Branch and Reconstruction of Bridge 3-Span 10m eff. Each over UBDC Kasoor Lower Branch Crossing Naraingarh to Gehri Road Distt Amritsar.

Amount: Rs.22,69,29,543/-

This is to notify that your bid dated 27.10.2023 for execution of Construction of road from Amritsar Mehta Road adda Boparai to Gehri Naraingarh road along UBDC Kasoor Lower Branch and Reconstruction of Bridge 3-Span 10m eff. Each over UBDC Kasoor Lower Branch Crossing Naraingarh to Gehri Road, District Amritsar approved vide Chief Engineer (North) Punjab PWD (B&R), Patilala Momo No.4200/CRIF Dated 01.12.2023 received through Superintending Engineer, Construction Circle, PWD B&R Br, Amritsar Ends No.SPL-55 Dated 01.12.2023 for the contract price of Rs. 22,69,29,543/- (Rupees Twenty Two Crore Sixty Nine Lacs Twenty Nine Thousand Five Hundred Forty Three only) including G.S.T. Amount as corrected and modified in accordance with the Instructions to Bidders is hereby accepted by our agency at the below noted rates with a time limit of 18 (Eighteen) Months:-

Sl.No	Description of Work / Item(s)	Units	Rate
1	Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work. Mechanical Means (Depth upto 3 m) Complete in all respect as per MORTH Item No. 3.13B	cum	110.00
2	Loosening of the ground upto a level of 500 mm below the sub-grade level, watered, graded and compacted in layers to meet requirement of table 300-2 for sub-grade construction Complete in all respect as per MORTH Item No. 305.3.4 case I	Sqm	90.00
3	Scarifying the existing granular road surface to a depth of 50 mm and disposal of scarified material within all lifts and leads upto 1000 metres, Complete in all respect as per MORTH Item No. 305.4.3 ii	sqm	8.00
4	Construction of embankment with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement of table 300-2 Complete in all respect as per MORTH Item No. 3.16	cum	225.00

5	Construction of embankment with approved materials deposited at site from roadway cutting and excavation from drain and foundation of other structures graded and compacted to meet requirement of table 300-2, Complete in all respect as per MORTH Item No. 3.17	cum	65.00
6	Construction of granular sub-base grading-III by providing close graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with front end loader at OMC, and compacting with vibratory roller to achieve the desired density, complete in all respect as per clause 401B iii	cum	1775.00
7	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with grader in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. Complete in all respect as per MORTH Item No. 4.14 B	cum	1975.00
8	Providing and applying primer coat with SS1 grade bitumen emulsion on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.70 kg/sqm using mechanical means, Complete in all respect as per MORTH Item No. 502 A case i	Sqm	32.00
9	Providing and applying tack coat Emulsion R.S.1 (for T/C) with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous surface cleaned with mechanical broom., Complete in all respect as per MORTH Item No. 503 i, For DBM	sqm	10.00
10	Providing and laying dense graded bituminous macadam with higher capacity batch type HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30 @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects. Dense Graded Bituminous Macadam Grading - II, Complete in all respect as per MORTH Item No. 5.04 B	Cum	8515.00
11	Providing and applying tack coat Emulsion R.S.1 (for T/C) with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous surface cleaned with mechanical broom. For SDBC, Complete in all respect as per MORTH Item No. 503 i	sqm	10.00
12	Providing and laying semi dense bituminous concrete 25mm to 30mm thick with batch type HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30 @5%, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction complete as per IRC-111(2009) specification, Complete in all respect as per MORTH Item No.5.7 ii	Cum	9615.00
13	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes, Complete in all respect as per MORTH item 8.13	Sqm	275.00
14	Supplying and fixing of single mould twin shank reflective road studs made out of poly carbonate/ABS moulded body and reflective panels with micro prismatic lens or Glass Beeds capable of providing total internal reflection of the light entering the lens face with retro reflectance and chromaticity values shall be as given in the detailed specifications and the product shall conform to ASTM D4280. The raised pavement marker shall also meet all the testing conditions of ASTM D4280 and fixed to the road surface using the adhesive. Two cylindrical Polymer Shanks of not less than 20 mm diameter and not less than 30 mm length shall be molded in the RPM body.The marker shall support a load of 13635 Kg tested in accordance with ASTM D4280.	No.s	150.00

15	Providing and erecting a "W" metal beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail, 70 cm above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm spaced 2 m centre to centre, 1.8 m high, 1.1 m below ground/road 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 spacer of channel section 150 x 75 x 5 mm, 330 mm long complete as per clause 811	Mtrs	2300.00
16	Construction of RCC Retaining wall along UBDC, overall 7.05 mtr. Height complete in all respect.		
16.01	Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with surplus soil.		
16.02	(a) Upto 3 Mtr. depth	cum	145.00
16.03	(b) Above 3m upto 6m depth	cum	160.00
16.04	Plain Cement Concrete 1:3:6 nominal mix in abutment base with crushed stone aggregate 40 mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days (Sr. no. 12.4) [As per Analysis attached]	cum	3200.00
16.05	Reinforced Cement Concrete M-30 in footing including centering & shuttering but excluding steel reinforcement complete as per Drawing and Technical Specification. [As per analysis attached]	cum	4800.00
16.06	Reinforced Cement Concrete M-30 in substructure including centering shuttering but excluding steel reinforcement complete as per Drawing and Technical Specification.		
16.07	(a) Upto 5 Mtr. height [As per analysis attached]	cum	5100.00
16.08	Drainage Spouts complete as per drawing & Technical specification [As per analysis attached]	no.	700.00
16.09	Supplying, Fitting & Placing uncoated HYSD bar reinforcement in Foundation complete as per drawing and technical specifications [As per analysis attached]	MT	65000.00
16.10	Supplying, Fitting & Placing uncoated HYSD bar reinforcement in Sub-Structure complete as per drawing and technical specifications [As per analysis attached]	MT	65000.00
16.11	Providing & laying of Filter media with granular materials/ stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2 of MoRTH specifications to a thickness of not less than 600 mm 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 & technical specifications. [As per Analysis Attached]	Mtr	1250.00
16.12	Providing Weep holes in Brick Masonry/ Reinforced concrete abutment, wing wall/ Return wall with 80 mm dia PVC pipe, extending through the full width of the structure with slope of 1V: 20H towards drawing face complete as per drawing & technical specifications. [As per Analysis Attached]	Mtr	230.00
17	Reinforced cement concrete M-15 grade ordinary kilometre stone of standard design as per IRC 8- 1980 fixing in position including painting and printing etc. complete as per technical clause 804 of MORT&H specifications	Each	4400.00
18	Reinforced cement concrete M15 grade kilometre stone of standard design as per IRC:8, fixing in position including painting and printing etc 5th kilometre stone (precast)	Nos.	3500.00
19	Reinforced cement concrete M-15 grade boundary pillars of standard design as per IRC 25-1967 fixing in position including painting and printing etc. complete as per technical clause 806 of MORT&H specifications 24.39	No.	500.00

20	Cautionary sign board 600x600x600mm triangular as per IRC 67- 2012 with high intensity Microprismatic grade retro reflective Sheeting as per ASTM D 4956 - 09 and as per IRC 67 - 2012. fixed over 3mm thick aluminium Composite material (ACM) sheeting having aluminium skin thickness of 0.25 to 0.3 mm on both sided and fixing the same with suitable size aluminium alloy rivets @ 200 mm c/c to back support frame of 25x25x3mm angle iron supported on a square hollow steel section post 60x60x3.2mmmm conforming to IS 4923 without cost of definition plate firmly fixed to ground in foundation concrete M-25 of size 0.45x0.45x0.60m for vertical post complete as per clause 801 of MORT&H specifications, supplier shall provide a warranty as per clause 6.9 of IRC 67-2012 for retro reflective sheeting & a certified copy of test reports from an independent test laboratory conforming to clause 6.7 of IRC 67-2012 .	No.	2500.00
21	Mandatory sign board 900mm circular as per IRC 67- 2012 with high intensity Microprismatic grade retro reflective Sheeting as per ASTM D 4956 - 09 and as per IRC 67 - 2012. Fixed over 4mm thick aluminium Composite material (ACM) sheeting having aluminium skin thickness of 0.4 to 0.5 mm on both sided and fixing the same with suitable size aluminium alloy rivets @ 200 mm c/c to back support frame of 25x25x3mm angle iron supported on a square hollow steel section post 60x60x3.2mm conforming to IS 4923 without cost of definition plate firmly fixed to ground in foundation concrete M-25 of size 0.45x0.45x0.60m for vertical post complete as per clause 801 of MORT&H specifications. Supplier shall provide a warranty as per clause 6.9 of IRC 67-2012 for retro reflective sheeting & a certified copy of test reports from an independent test laboratory conforming to clause 6.7 of IRC 7-2012 . Using high intensity Microprismatic grade retro reflective Sheeting Type XI as per ASTM D 4956 09 and as per IRC 67 2012 24.45 a	No.	4200.00
22	Informatory sign board 800x600mm rectangular as per IRC 67- 2012 with high intensity Microprismatic grade retro reflective Sheeting as per ASTM D 4956 - 09 and as per IRC 67 - 2012. fixed over 4mm thick aluminium Composite material (ACM) sheeting having aluminium skin thickness of 0.4 to 0.5 mm on both sided and fixing the same with suitable size aluminium alloy rivets @ 200 mm c/c to back support frame of 25x25x3mm angle iron supported on a square hollow steel section post 60x60x3.2mm conforming to IS 4923 without cost of definition plate firmly fixed to ground in foundation concrete M-25 of size 0.45x0.45x0.60m for vertical post complete as per clause 801 of MORT&H specifications. Supplier shall provide a warranty as per clause 6.9 of IRC 67-2012 for retro reflective sheeting & a certified copy of test reports from an independent test laboratory conforming to clause 6.7 of IRC 67-2012 . Using high intensity Microprismatic grade retro reflective Sheeting Type XI as per ASTM D 4956 09 and as per IRC 67 2012 24.46 a	No.	3500.00
23	Informatory sign board 600x450mm rectangular as per IRC 67- 2012 with high intensity Microprismatic grade retro reflective Sheeting as per ASTM D 4956 - 09 and as per IRC 67 - 2012.fixed over 3mm thick aluminium Composite material (ACM) sheeting having aluminium skin thickness of 0.25 to 0.3 mm on both sided and fixing the same with suitable size aluminium alloy rivets @ 200 mm c/c to back support frame of 25x25x3mm angle iron supported on a square hollow steel section post 60x60x3.2mm conforming to IS 4923 without cost of definition plate firmly fixed to ground in foundation concrete M-25 of size 0.45x0.45x0.60m for vertical post complete as per clause 801 of MORT&H specifications. Supplier shall provide a warranty as per clause 6.9 of IRC 67-2012 for retro reflective sheeting & a certified copy of test reports from an independent test laboratory conforming to clause 6.7 of IRC 67-2012 . Using high intensity Microprismatic grade retro reflective Sheeting Type XI as per ASTM D 4956 09 and as per IRC 67 2012 24.46 b	No.	2800.00

24	Informatory sign board 600x600mm square as per IRC 67- 2012 with high intensity Microprismatic grade retro reflective Sheeting as per ASTM D 4956 - 09 and as per IRC 67 - 2012. with retro reflective high intensity Microprismatic grade sheeting fixed over 3mm thick Aluminium Composite Material (ACM) sheeting having aluminium skin thickness of 0.25 to 0.3 mm Using high intensity Microprismatic grade retro reflective Sheeting Type XI as per ASTM D 4956 09 and as per IRC 67 2012 24.46 c	No.	3200.00
25	Hazard Marker sign board 300x900mm rectangular as per IRC 67- 2012 with high intensity Microprismatic grade retro reflective Sheeting as per ASTM D 4956 09 and IRC 67 2012, fixed over 4mm thick Aluminium Composite Material (ACM) sheeting having skin thickness of 0.4 to 0.5 mm on both sided and fixing the same with suitable size aluminium alloy rivets @ 200 mm c/c to back support frame of 25x25x3mm angle iron supported on a square hollow steel section post 60x60x3.2mm conforming 24.51 a	No.	3000.00
26	Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign 600 mm x 450 mm rectangular as per IRC :67 made of high intensity grade sheeting vide clause 801.3, 2mm thick aluminium sheeting, 3mm/4mm thick Aluminum composite material sheet depending on the size of the sign fixed over back support frame of min 25x25x3mm Angle mounted on a mild steel circular pipe 65 NB ,3.2 mm thicknness firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing.	No.	3100.00
27	Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign 900 mm X 750 mm rectangular as per IRC :67 made of high intensity grade sheeting vide clause 801.3, 2mm thick aluminium sheeting, 3mm/4mm thick Aluminum composite material sheet depending on the size of the sign fixed over back support frame of min 25x25x3mm Angle mounted on a mild steel circular pipe 65 NB ,3.2 mm thicknness firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing.	No.	3200.00
28	Providing and fixing of retro- reflectorised mandatory sign 600 mm X 600 mm X 600 mm Triangular as per IRC :67 made of high intensity grade sheeting vide clause 801.3, 2mm thick aluminium sheeting, 3mm/4mm thick Aluminum composite material sheet depending on the size of the sign fixed over back support frame of min 25x25x3mm Angle mounted on a mild steel circular pipe 65 NB ,3.2 mm thicknness firmly fixed to the ground by means of properly designed foundation with M25 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing.	No.	3200.00
29	Providing and making rumble strips 15-20mm high at centre, 250mm wide placed at 1m centre to centre over freshly laid bituminous layer by using close graded premix surfacing aterial type B at approved locations to control speed. The close graded premix surfacing material type B shall conform to technical specifications complete	Mtr	75.00
30	Construction of 1.50 feet Hume Pipe culvert (24 feet formation width) with all respect.		
30.10	Earth work in excavation		
30.20	CC 1:6:12 with brick ballast	cum	125.00
30.30	First Class BB in 1:5 in	cum	3100.00
30.40	First Class BB in 1:5	cum	5500.00
30.50	Cement pointing 1:2 variety	cum	5500.00
30.60	Providing jointing and cutting of plain and Reinforced Cement Concrete spigot and socketed pipes specials with rubber ring ISI marked CSR 29.46 ('c) e	sqm	75.00
30.70	Laying Hume Pipe culvert N.P.-3 CSR 20.13 (c)	Metre	170.00
31.00	Reconstruction of 10'-0" SPAN SLAB TYPE CULVERT	Metre	170.00

31.01	Earthwork in excavation in foundation in ordinary soil	cum	250.00
31.02	Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days.	cum	3100.00
31.03	Brick Masonry Work in Cement Mortar 1:3 in Foundation complete excluding Pointing and Plastering, as per Drawing and Technical Specifications.	cum	5500.00
31.04	Providing and laying centring and shuttering for slab culvert	sqm	50.00
31.05	Furnishing and Placing Reinforced/ Prestressed cement concrete in super-structure as per drawing and Technical Specification RCC Grade M20	cum	5500.00
31.06	Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications PCC Grade M20 using batching plant transit mixer & Concrete pump M 20	cum	4500.00
31.07	Supplying, fitting and placing HYSD bar reinforcement in sub-structure complete as per drawing and Technical Specifications	qtl	6300.00
31.08	Pointing with cement mortar (1:3) on brick work in substructure as per Technical Specifications	sqm	75.00
31.09	Brick on edge flooring 1:5	sqm	1200.00
31.10	Providing and applying 2 coats of water based cement paint to unplastered concrete surface after cleaning the surface of dirt, dust, oil, grease, efflorescence and applying paint @ of 1 litre for 2 sqm.	sqm	77.00
31.11	Dismantling of Brick work in cement mortar	cum	50.00
31.12	Dismantling of RCC (CSR 8.41)	cum	50.00
31.13	Credit of Old Bricks	Nos.	3.00
31.14	Credit of Brick Bats	cum	3000.00
31.15	Credit of Old steel	kg	35.00
32.00	Construction of 0.70 mtr span slab type culvert with 10.00 mtr formation as per drawing.		
32.01	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work.) Ordinary soil Mechanical Means (Depth upto 3 m)	cum	145.00
32.02	Plain/Reinforced Cement Concrete in Open Foundation complete as per Drawing and Technical Specifications. PCC Grade M15 using batching plant & Concrete pump	cum	3200.00
32.03	Brick Masonry Work in Cement Mortar 1:3 in Foundation complete excluding Pointing and Plastering, as per Drawing and Technical Specifications.	cum	5500.00
32.04	Brick masonry work in 1:3 in sub-structure complete excluding pointing and plastering, as per drawing and Technical Specifications	cum	5500.00
32.05	Supplying, fitting and placing HYSD bar reinforcement in sub-structure complete as per drawing and Technical Specifications	M.T.	63000.00
32.06	Furnishing and Placing Reinforced/ Prestressed cement concrete in super-structure as per drawing and Technical Specification RCC Grade M20	Cum	150.00
32.07	Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications PCC Grade M20 using batching plant transit mixer & Concrete pump	cum	3200.00
32.08	Brick Masonry Work in Cement Mortar 1:3 in Foundation complete excluding Pointing and Plastering, as per Drawing and Technical Specifications.	Cum	5500.00
32.09	Pointing with cement mortar (1:3) on brick work in substructure as per Technical Specifications	sqm	75.00
33.00	Drain 600 x 600 mm complete in all respect		

33.01	Earth work in excavation for foundation of structures upto 3 m depth as per drawing and technical specification clause 1104 including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides	Cum	125.00
33.02	Cement Concrete 1:3:6 with stone ballast (PCC M 15)	Cum	3200.00
33.03	Brick Masonary work in cement mortar 1:3 in foundation of walls complete excluding pointing and plastering as per drawings and technical specification	Cum	5500.00
33.04	Plain/Reinforced Cement Concrete complete as per Drawing and Technical Specifications.	Cum	3200.00
33.05	Plastering with cement mortar (1:3) on brick work in sub-structure as per Technical Specifications	sqm	75.00
34	RECONSTRUCTION OF BRIDGE 3-SPAN 10M EFF. EACH OVER UBDC KASOOR LOWER BRANCH CROSSING NARAINGARH TO GEHRI ROAD IN ASSEMBLY CONSTITUENCY JANDIALA GURU DISTT. AMRITSAR.		
35	CONSTRUCTION OF BRIDGE		
36	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter etc. complete. upto 3m Depth	cum	125.00
37	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter etc. complete. upto 3m to 6m Depth	cum	400.00
38	P.C.C. 1:3:6 (M-10) for base course under Abut. And Piers Complete as per drawing & technical Specifications.	cum	3200.00
39	P.C.C. (M-15) for Base of Flooring Complete as per drawing & technical Specifications.	cum	3200.00
40	R.C.C. M-30 for Abut/Pier Footing including centring shuttering but excluding steel reinforcement complete as per drawing & technical Specifications.	cum	4000.00
41	R.C.C. M-30 for Sub-Structure Footing including centring shuttering but excluding steel reinforcement complete.	cum	5005.00
42	Provision for Rubbing the Abutment & Pier caps smooth with carborandam stone.	cum	35.00
43	R.C.C. M-30 for Super-Structure Footing including centring shuttering but excluding steel reinforcement complete.	cum	5500.00
44	Providing & Laying 56mm thick Wearing Coat consisting of 50mm thick bituminous concrete and 6mm thick Mastic Asphalt including tack coat.P&L Tack Coat	sqm	10.00
45	Providing & Laying 56mm thick Wearing Coat consisting of 50mm thick bituminous concrete and 6mm thick Mastic Asphalt including tack coat. P&L 6mm Mastic Asphalt	sqm	235.00
46	Providing & Laying 56mm thick Wearing Coat consisting of 50mm thick bituminous concrete and 6mm thick Mastic Asphalt including tack coat. P&L 50mm Bituminous Concrete	Cum	11000.00
47	Providing and Making Expansion Joint filled with bitumen filler as per CSR 22.15 (iv)	Mtr	500.00
48	R.C.C. M-40 Anti Crash Railing Without Safety kerb 1100mm height including Centering & Shuttering including Steel Reinforcement	Rmt	2500.00
49	Providing and fixing Drainage Spouts with 100mm dia GI pipe	Nos	600.00
50	Supplying, fitting and placing uncoated HYSD Bars reinforcement complete. In FOUNDATION	MT	65000.00
51	Supplying, fitting and placing uncoated HYSD Bars reinforcement complete. In SUB-STRUCTURE	MT	65000.00
52	Supplying, fitting and placing uncoated HYSD Bars reinforcement complete. In SUPER-STRUCTURE	MT	65000.00
53	Providing and Laying Filter Media as per Drawing & Technical Specs.	Rmt	2000.00

54	Providing and Laying 80mm dia PVC weep holes @1000 c/c both in Hz & Vrt Dir.	Nos.	200.00
55	P.C.C. (M-20) for Top of Flooring complete as per drawing & technical Specifications.	cum	4500.00
56	Brick Masonary in Cement Mortar 1:3 in foundation complete excluding pointing and plastering as per drawing & technical specifications.	cum	5500.00
57	Providing & Laying Boulder Apron on River Bed for Protection against scour with stone boulder weighing not less than 40kg each complete.	cum	2300.00
58	Providing and Applying 2 coats of water based cement paint to unplastered concrete surface.	Sqm	75.00
59	P & F Moulded Shank Road Stud Cat Eyes	Nos.	150.00
60	P & F Delineators	Nos.	1000.00
61	P & F Display boards (size 900x600) Type-XI	Nos.	5500.00
62	P & L Centre Line with Thermoplastic Paint.	Sqm	305.00
63	CONSTRUCTION OF APPROACHES		
64	Construction of embankment with good quality earth obtained from borrow pits including compensation of earth, loading, unloading, carriage to site of work, spreading, grading to required slope and compacting to meet requirement of table 300-2 as per technical clause 305 of MORT&H specifications	cum	245.00
65	Construction of granular sub-base by providing material as per grading-III (Table 400-I of MORT&H 5th revision), mixing in a mechanical mix plant at OMC, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per technical clause 401 of MORT&H specifications	cum	1650.00
66	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with grader in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. Complete in all respect as per MORTH Item No. 4.14 B	cum	1825.00
67	Providing and applying primer coat with SS1 grade bitumen emulsion on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.70 kg/sqm using mechanical means, Complete in all respect as per MORTH Item No. 502 A case i	Sqm	32.00
68	Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous surface cleaned with mechanical broom. For DBM	sqm	10.00
69	Providing and laying dense graded bituminous macadam with higher capacity batch type HMP using crushed aggregates of specified grading, premixed with bituminous binder @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects. Dense Graded Bituminous Macadam Grading - II	Cum	8125.00
70	Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.25 kg per sqm on the prepared bituminous surface cleaned with mechanical broom. For SDBC	sqm	10.00
71	Providing and laying semi dense bituminous concrete 25mm to 30mm thick with batch type HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30 @5%, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction complete as per IRC-111(2009) specification	Cum	8125.00

72	Road marking with hot applied thermoplastic compound 2.5mm thick including reflectorising glass beads @ 0.25kg per sqm area as per IRC:35 1997 complete as per technical clause 803 of MORT&H specifications Csr Itme No.24.57 taking edge line on curve portion and zebra crossing	Sqm	305.00
73	Supplying and fixing of single mould twin shank reflective road studs made out of poly carbonate/ABS moulded body and reflective panels with micro prismatic lens or Glass Beeds capable of providing total internal reflection of the light entering the lens face with retro reflectance and chromaticity values shall be as given in the detailed specifications and the product shall conform to ASTM D4280. The raised pavement marker shall also meet all the testing conditions of ASTM D4280 and fixed to the road surface using the adhesive. Two cylindrical Polymer Shanks of not less than 20 mm diameter and not less than 30 mm length shall be molded in the RPM body. The marker shall support a load of 13635 Kg tested in accordance with ASTM D4280. The marker shall withstand flexural strength of 909 kgf force in accordance with ASTM D4280. Marker lenses shall be moulded of Polycarbonate or methyl ethecrylate conforming to ASTM D788. The supplier shall provide a 2 years warranty for satisfactory field performance as per clause 804.7.3 of MORT&H 5th revision specifications.	No.s	150.00
74	Providing and fixing of Standard Metal Delineator as per IRC 79:2019 consisting of retro reflective area in white color using full cube corner micro prismatic non-metallic retro reflective sheeting on each side conforming with IRC 67 2012 and meeting the coefficient of retro reflection values as per ASTM D 4956 Type XI table specification. The delineator shall be painted with only black color powder coat of minimum 40 microns thickness, on top of which retro reflective sheeting only in white colour shall be pasted on both sides. The structure shall have height not less than 800 mm above the ground, width not less than 100 mm and shall extend not more than 300mm below the ground while being installed. The delineator shall have grooves across the length to make the reflective sheets vandal-proof. The delineator is meant for application on gaps in median, traffic islands, dangerous bends, roundabouts, narrow bridges etc. or as desired by site engineer.	No.s	4200.00
75	DISMANTELING OF OLD BRIDGE		
76	Dismantling of concrete slab		
77	Dismantling of brick work	cum	500.00
78	Dismantling of CC	cum	300.00
79	Credit of material Bricks @ 25% of dismantled Qty	cum	1000.00
80	Credit of material Brick Bats @ 40% of dismantled Qty	No.s	2.90
81	Credit of material Steel	cum	1800.00
82	CONSTRUCTION OF DIVERSION	Kgs	41.00
83	Excavation for roadwork in soil with hydraulic excavator including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location within all lifts and lead upto 1000m (Sr no 3.6)	Cum	150.00
84	Plain Cement Concrete M 15 complete as per Drawing and Technical Specifications.	Cum	3200.00
85	Construction of embankment with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement of table 300-2.	Cum	250.00
86	Construction of granular sub-base by providing coarse graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete as per clause 401. (Sr no 4.1 B)	Cum	1650.00

87	Providing and laying RCC Hume pipe NP3 for culverts on first class of granular material (Sr no 9.12 A) 1000mm dia	Mtr	1700.00
88	Brick Masonry Work in Cement Mortar 1:3 in Foundation complete excluding Pointing and Plastering, as per Drawing and Technical Specifications. (Sr no 9.5)	Cum	5500.00
89	Credit of old material		
90	Credit of old material Hume pipe	Mtr	100.00
91	Credit of old material GSB	Cum	500.00
92	Credit of old material bricks @25%	Nos.	3.00
93	Credit of old material brick bats @40%	Cum	1800.00

You are hereby requested to furnish performance security, in the form detailed in para 30.1 of ITB for as amount equivalent to **Rs.1,13,46,000/-** within 21 days of this letter of acceptance valid upto 28 days from the date for expiry of the defect liability period i.e. upto 15.07.2026 and sign the contract failing which action as stated in para 30.3 for ITB will be taken. You are also requested to submit the additional performance Security of Rs. 9,58,000/- for the unbalanced items as per Clause 29.5 of ITB,

Sdf
Executive Engineer,
Provincial Division
PWD B&R Br. Amritsar.

Endst **2787-2791** dated **18/12/2023**

Copy of the above is forwarded to the following for information & necessary action:-

1. Superintending Engineer, Construction Circle, PWD B&R Br, Amritsar with ref. to his office Endst No.SPL-55 Dated 01.12.2023.
2. Sub Division Engineer, Provincial Sub Divisional No1 Amritsar.
3. Divisional Accounts Officer, Provincial Division, Amritsar.
4. Divisional Head Draftsman, Provincial Division Amritsar.
5. Agreement.

W
Executive Engineer,
Provincial Division
PWD B&R Br. Amritsar.
Agely