

RESTRICTED

(60)
Headquarters
Chief Engineer
Project Beacon
C/o 56 APO

750803/AA/CE's Power/ 04 /Estg

18 May 2021

HQ 32 BRTF
C/o 56 APO

ADMINISTRATIVE APPROVAL

CONSTRUCTION OF 45 M SPAN STEEL SUPERSTRUCTURE THROUGH TYPE PERMANENT BRIDGE WITH APPROACHES OVER GURAI NALLAH AT KM 66.00 ON BANDIPUR-GUREIZ ROAD UNDER 56 RCC/32 BRTF/ PROJECT BEACON IN JAMMU & KASHMIR (UT)

1. In pursuance of the financial and administrative powers delegated to Chief Engineer vide Govt of India, Ministry of Defence (BR Wing), D (BR-1), 'B' wing, 4th floor, Sena Bhawan New Delhi letter No MoD (BR) F.No.04/696/2015/D&P (BR-I) dated 11th Aug 2017, Item Ser No.2 of Annexure-I, I hereby issue the Administrative Approval and Expenditure Sanction for "Construction of 45 M span Steel Superstructure Through type Permanent Bridge with approaches over Gurai Nallah at Km 66.00 on Bandipur-Gureiz road under 56 RCC/32 BRTF/ Project Beacon in Jammu & Kashmir (UT)" at estimated cost of **Rs. 556.02 lakh (Rupees five crore fifty six lakh and two thousand only)** as per details in the annexure to this letter.

(a)	Cost of Departmental work	-	Rs 98.09 lakh
(b)	Cost of Execution contract	-	Rs 457.93 lakh
	Total	-	<u>Rs. 556.02 lakh</u>

2. The expenditure on the work is debitable to "MH 5054.02.337.03.00.53 Road Works OTNH".

3. The work has been assigned **Job No. 217/21(BCN)** which may please be quoted in all future correspondence on the subject.

4. This issues with the concurrence of ACDA (P) Beacon vide Note No & File No. ABC/185/Concurrence/Wks/ESTG dated 18 May 2021.

29
24/5

(I K Jaggi)
Brigadier
Chief Engineer

Copy to:-

1. HQ DGBR/West Dte, Seema Sadak Bhawan, Ring Road, Delhi Cantt, New Delhi-10.
2. HQ ADGBR (North West), Sector 48C, Chandigarh, PIN- 160047.
3. AO (P) Beacon, C/o 56 APO.
4. AO 32 BRTF, C/o 56 APO.
- ✓ 5. 56 RCC, C/o 56 APO.
6. Office Copy (**Case File**): **201846/AE/Gurai Nallah/B-G Rd/Km 66.00/Estg**).

Internal:-

7. E2 (Wks).
8. E2 (Plg).
9. E5 (Budget).
10. E8.

RESTRICTED

RETRICTED
ADMINISTRATIVE APPROVAL
PART-I

Name of Area
Name of Project
Name of work

: Jammu & Kashmir (UT)
: Beacon/ 32 BRTF/ 56 RCC
: **CONSTRUCTION OF 45 MTR SPAN STEEL SUPERSTRUCTURE THROUGH TYPE PERMANENT BRIDGE WITH APPROACHES OVER GURAI**
: **NALLAH AT KM 66.00 ON BANDIPUR-GUREIZ ROAD UNDER 56 RCC/32 BRTF/ PROJECT BEACON IN JAMMU & KASHMIR (UT)**

Job No: 217/21(BCN)
A/Id Bet 2401-2700 m
SSR 2016, Zone-"J"

Sl No	Description	Land Acquisition (Rs.)	Approach road (Rs.)			Pmt Bridge (Rs.)	Total amount (Rs.)
			Emn work amt (Rs.)	Pmt work amt (Rs.)	Surf work amt (Rs.)		
(A)	WORK ASSESSED AS PER DGBR SSR-2016						
(i)	Cost of work (cost of bridge as per Bridge SSR 2019)	-	598802.00	3119320.00	2442584.00	45793000.00	51993706.00
(ii)	Road lift charges	-	8733.00	811273.00	171670.00	-	991676.00
(iii)	Extra transportation charges for stone and sand	-	-	130658.00	91286.00	-	221944.00
(iv)	Extra lift charges for ready mix from HMP to work site	-	-	-	56800.00	-	56800.00
(v)	Deduct cost of bridge as per Bridge SSR 2019	-	-3537.00	-109148.00	-38292.00	-45793000.00	-45793000.00
(vi)	Credit for GREF Pioneer	-	-23745.00	-185367.00	-16852.00	-	-150977.00
(vii)	Credit for GREF Tradesmen	-	580253.00	3766736.00	2707196.00	-	-225964.00
	Total (A)						7054185.00
(B)	Add Escalation Charges						
(i)	Add escalation charges @ 15.44% for 2021-22, 2022-23 & 2023-2024	-	89591.00	581584.00	417991.00	-	1089166.00
	Total (B)	-	89591.00	581584.00	417991.00	-	1089166.00
	Total (A) + (B)	-	669844.00	4348320.00	3125187.00	-	8143351.00
(C)	Add following charges						
(i)	Physical contingency charges @ 5%	-	33492.00	217416.00	156259.00	-	407167.00
(ii)	Road side Accn @ 2%	-	13397.00	86966.00	0.00	-	100363.00
(iii)	OCC @ 1%	-	6698.00	43483.00	31252.00	-	81433.00
(iv)	Labour Cess @ 1%	-	6698.00	43483.00	31252.00	-	81433.00
	Total (C)	-	60285.00	391348.00	218763.00	-	670396.00
	Total (A) + (B) + (C)	-	730129.00	4739668.00	3343950.00	-	8813747.00
(D)	Add Cost of Contract						
(i)	(a) Execution contract for bridge proper					45793000.00	45793000.00
(ii)	OCC @ 1%					457930.00	457930.00
(iii)	Physical contingencies @ 1%					46708860.00	46708860.00
	Total (D)	-	-	41283.00	-	-	79852.00
(E)	Royalty charges						
	G/T Total (A) to (E)	-	730129.00	4780951.00	3382519.00	46708860.00	55602459.00
	Say in lakh	0 lakh	7.3 lakh	47.81 lakh	33.83 lakh	467.09 lakh	556.02 lakh

(Rakesh Chopra)
SE (CIV)
Dir (Estg & Br)
for Chief Engineer

RESTRICTED
ADMINISTRATIVE APPROVAL
PART-II

Name : Jammu & Kashmir (UT)
Name : Beacorn/32 BRTF/56 RCC

Name : CONSTRUCTION OF 45 MTR SPAN STEEL SUPERSTRUCTURE THROUGH TYPE PERMANENT BRIDGE WITH APPROACHES OVER GURAI NALLAH AT KM 66.00 ON BANDIPUR-GUREIZ ROAD UNDER 56 RCC/32 BRTF/PROJECT BEACON IN JAMMU & KASHMIR (UT)

Job No: 217/21(BCN)

SSR 2016, Zone-"J"
Ald Bet 2401-2700 m

ROAD UNDER 56 RCC/32 BRTF/PROJECT BEACON IN JAMMU & KASHMIR (UT)

SI No	SSR 2016 item No.	Brief description of SSR items				A/U	Qty	Rate (Rs.)	Amount (Rs.)
Name of Work									
(A)	Bridge Proper								
	BR SSR 2019								
(B)	Approach Road	45 m span steel superstructure through type bridge							
(i)	Fmm works								
1	F 702	Earth work in embankment including excavation of earth and filling with earth work free from roots etc spreading in layers not exceeding 30 cm including watering rolling & finishing to required slope and level not exceeding 1.5 m above the base in plain area and for approaches to bridge in ordinary soil excluding cost of soil. (By manual means). For lead exceeding 6.00 m add item C-101 or C-102 as applicable.		Cum	1666.30	359.36	598802.00		

SSR 2016 Item No.	Brief description of SSR Items	A/U	Qty	Rate (Rs.)	Amount (Rs.)
	Credit for GREF Tradesmen				-185367.00
	Credit for GREF Pioneer				-109148.00
	Royalty Charges for stone and sand				41283.00
(iii) Surf works					
1	S101 Preparation of sub-grade in SMB by excavating upto 20 cm avg depth, dressing excavated earth to required camber or super elevation and consolidating with power roller incl watering & disposal of surplus earth within a lead of 30 mtr.	10 sqm	103.76	488.15	50651.00
2	S109 GSB 15 cm thick (compacted) with stone aggregate conforming to grading No 1 as per Tables-400-1 of MORT&H specifications for Road and Bridge Works including supply of material, watering and compaction all complete.	10 sqm	103.76	4107.88	426238.00
	S109B GSB 15 cm thick (compacted) with stone aggregate conforming to grading No 3 as per Tables-400-1 of MORT&H specifications for Road and Bridge Works including supply of material, watering and compaction all complete.	10 sqm	103.76	4141.10	429685.00
3	S511 Providing and laying 50 mm thick DBM layer, precoated stone aggregate physical requirements/grading/mix composition requirement as per Table - 500-8/9/10 respectively of MORT&H specifications for road and bridge works with 4.250% asphalt VG-10 penetration grade as per MoSRT&H data book and rolled to the required specification.	10 sqm	96.08	5248.01	504203.00
4	S809 Providing and applying prime coat with bitumen emulsion on prepared surface of granular base including cleaning of road surface and spraying primer @ 7.50 Kg per 10 sqm. (using BPD with manual labour)	10 sqm	96.08	747.18	71785.00
5	S402 WBM 75 mm consolidated thickness of stone metal size 63 mm to 45 mm, grading No 1, as per Table-400-9 with type 'A' screening as per Table 400-10 and satisfying the physical requirement as per Table-400-8 of MORT&H specifications, spread, rolled, hollow made up to form true surface blinded and compacted to gradient and camber required all as specified.	10 sqm	99.92	2359.24	235731.00
	S402B WBM 75 mm consolidated thickness of stone metal size 63 mm to 45 mm, grading No 2, as per Table-400-9 with type 'A' screening as per Table 400-10 and satisfying the physical requirement as per Table-400-8 of MORT&H specifications, spread, rolled, hollow made up to form true surface blinded and compacted to gradient and camber required all as specified.	10 sqm	99.92	2457.97	245595.00
6	S814 Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor @ 2.5 Kg/10 Sqm on prepared bituminous/granular surface cleaned with mechanical broom, all complete as per clause 503 of MoSRT&H specifications.	10 sqm	96.08	166.99	16044.00
7	S513 Providing and laying 40 mm thick BC on bituminous concrete layer with precoated stone chips grading confirming to Table-500-17 and mix satisfying the physical requirement of Table 500-16 of MORT&H specifications, mixed with 5% binder asphalt VG-10 penetration grade by weight of total mix and 2% cement by weight of mix (for filler) all as specified as per MoSRT&H data book.	10 sqm	96.08	4815.53	462652.00
	Total (E)				2442584.00
	Road lift charges				171670.00
	Extra Tpt Charges for stone and sand				91286.00
	Extra Tpt Charges for ready mix from HMP to work site				56800.00
	Credit for GREF Tradesmen				-16852.00
	Credit for GREF Pioneer				-38292.00
	Royalty Charges				38569.00

(Ajay Kumar Chikhale)
EE (Cn)
SO-1 (Eng & Br)
for Chief Engineer

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